Oil, Paint and Drug Reporter

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Volume 133 JANUARY 3, 1938 Number 1

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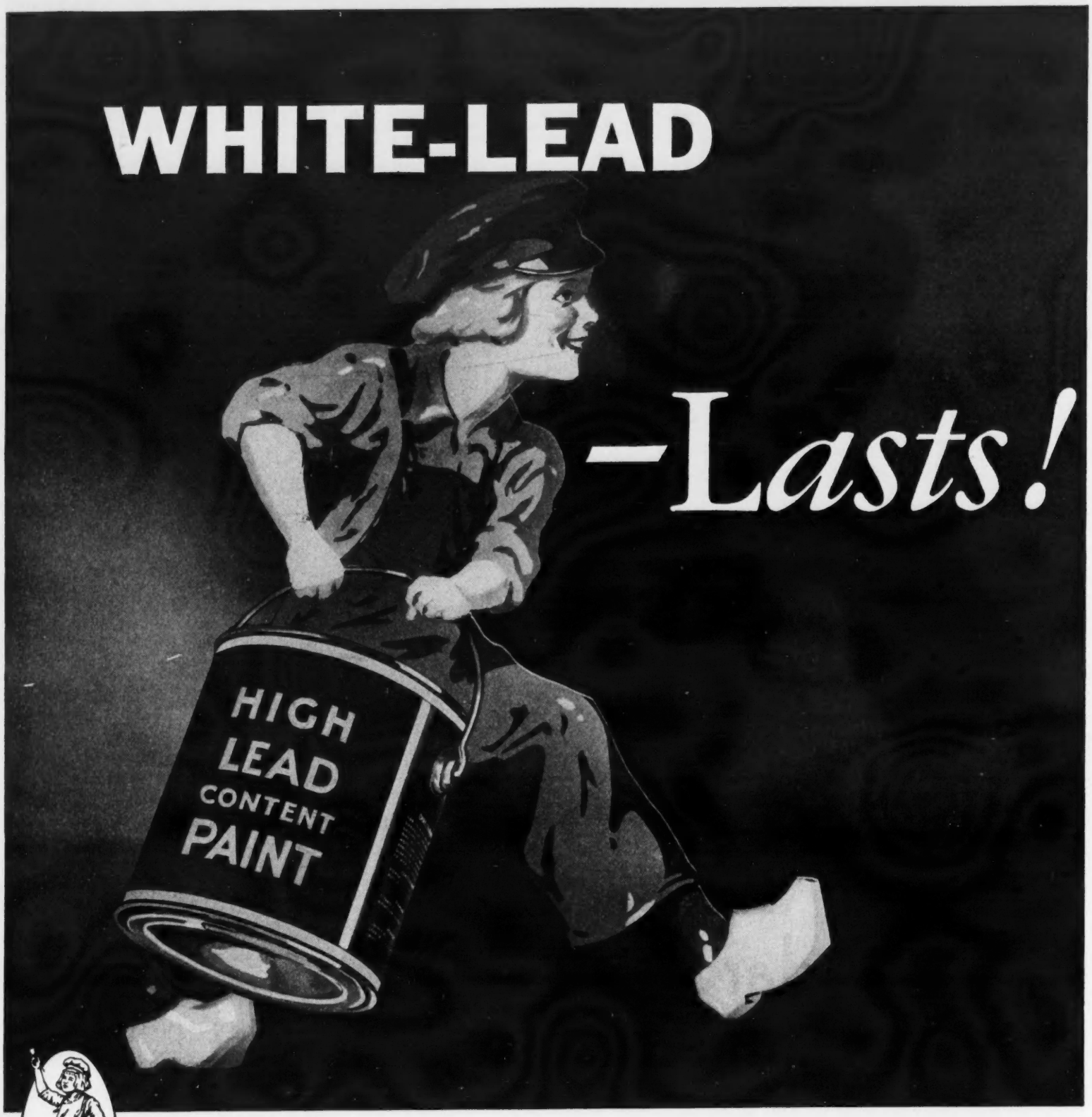

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Founded 1871 by William O. Allison

Volume 133 JANUARY 3, 1938 Number 1

N.J. Fair Trade Act Ban Denied

Lentheric's Refusal to Sell Held Bar to Relief from Weissbard's Price-Cutting

NEWARK, Dec. 29, 1937.

Because Lentheric, Inc., New York, refused to sell its products to Weissbard Brothers, local drug retailer, Vice-Chancellor Stein today denied the manufacturer a restraining order against the retailer's selling of Lentheric preparations at prices less than the minimum set up by contract under the fair trade act. Weissbard Brothers contended that it had obtained the goods from other sources outside the State before August 3, when Lentheric, Inc., made contracts under the act with other retailers.

The vice-chancellor's ruling, which raises several interesting points in respect of the application of the fair trade act, was as follows:—

If complainant's products were in fair and open competition within the meaning of section 1 of the act, the prices announced by the complainant would become binding upon retailers under the provision of section 2 of the act only with respect to so much of complainant's products as were acquired by the defendants with notice of the prices fixed.

The defendant's proof is to the effect that the stock acquired of complainant's products was so acquired in interstate commerce from vendors outside New Jersey. The agreements entered into by the complainant with retailers are limited to commerce entirely within the State of New Jersey.

Moreover, the defendants by their answer say that they have offered to purchase from complainant quantities of its products at the same rates, terms, and prices made available to other chain stores and to maintain the minimum selling prices announced by the complainant upon the resale of such products. This offer, the defendants say, was rejected by complainant. This the complainant admitted in open court.

Vice-Chancellar Stein also heard arguments on the validity of manufacturers' fair trade contracts with retailers in the suits of Burroughs, Wellcome & Co. against the Wolf Drug Company and the Charmley Drug Shop, and that of the Houbigant Sales Corporation against Wood's Cut Rate Store. He reserved decision in these cases.

Rubin Brothers Drugs, Inc., against which a temporary injunction had been issued last week, consented to a permanent restraint against cutting the prices of products of the Weco Products Company, Chicago.

Drug Manufacturers Warned on N.D. Law

Regulatory officials in North Dakota report that drugs offered for sale in that State are not in many instances labeled to comply with the requirements of the amendments to the food and drugs act which became effective some six months ago.

These amendments introduced into the North Dakota law a number of the new provisions suggested for revision of the Federal food and drugs act. They require qualitative formula disclosure; prohibit the use of deceptive containers; require a statement of the weight, volume, or count of the contents; make danger to health when used as directed a form of misbranding; require adequate directions for use and warnings against potential hazards; and require packaging according to official directions and packaging or labeling to guard against deterioration.

In a warning to manufacturers, the State food commissioner and chemist says:—

These amendments have been in effect nearly six months, but many drug manufacturers have apparently ignored them and made no effort to comply. In order to impress them with the need for compliance, we found it necessary to stop the sale at a single point or outlet in the State of a considerable number of products. Sale of 123 products manufactured by ninety companies was stopped and the druggist in each case then wired the manufacturer notifying him the sale had been stopped until the products were brought in compliance with the North Dakota law. Formal notice was also sent the manufacturer by the State food commissioner and chemist. Upon receipt of assurance from the manufacturer that steps were being taken to label their products as required by the North Dakota law, stock was immediately released for sale. In some cases this assurance was received in less than twenty-four hours. It is the intention of the department to permit a reasonable time for the revision of labels. We, in fact, have advised many manufacturers who have inquired, that stickers would be permitted temporarily for use on stock in the state and for shipments until labels were revised.

Most manufacturers sell other products than those on which the sale has been stopped. All products must be labeled as required under the new amendment if similar action is to be avoided in the case of these items. Advise this department of the action you are taking to comply in the case of other items.

Soybean Oil Varnish Stands Weather Test

WASHINGTON, Dec. 28, 1937.

A new soybean oil varnish that is standing up well in weather tests was announced today by the Regional Soybean Industrial Products Laboratory of the Department of Agriculture.

The new development is a 100-percent soybean oil varnish which has a rapid drying rate, and good water and weather resistance. Varnished panels of wood placed on outdoor weathering racks at Urbana, Ill., the home of the cooperative laboratory, have been exposed to the weather for seven months. This period is too short to determine the durability of outside paint, but long enough to demonstrate the serviceability of a number of varnishes undergoing the same test as the soybean oil product.

After seven months of exposure to the weather the soybean oil varnish is still in good condition and shows very little loss of luster, and no checking, peeling, or cracking, the report says. A high-grade spar varnish exposed on the same test panel and under identical conditions with the soybean oil varnish, is reported to have failed completely in five months.

This work, according to H. T. Herrick, in charge of the Industrial Farm Products Research Division of the Bureau of Chemistry and Soils, indicates that properly treated soybean oil can be substituted up to 100 percent for the oil constituent in a considerable number of varnishes without impairing them. In some cases this substitution actually improves the properties of the varnish coating, he says.

The soybean laboratory is a Bankhead-Jones research project established July 1, 1936, for studying new industrial uses for the soybean and its products. It is a joint laboratory oper-

(Continued on page 41)

Dr. F. J. Tone to Get Perkin Medal Jan. 7

The Perkin Medal of the Society of Chemical Industry will be presented to Dr. Frank J. Tone at a joint meeting of the American section of the Society of Chemical Industry and the American Chemical Society January 7, in the Chemists' Club, this city. The medal was awarded to Dr. Tone for his work in the field of abrasives and refractories.

James G. Vail, chairman of the American S. C. I. section, will preside over the meeting. The program will include a talk on the life and accomplishments of the medallist by Dr. Carl G. Schluederberg; presentation of the medal by Prof. Marston T. Bogert; and the medal address, "The Quest for Hard Materials," by Dr. Tone. The meeting will open at 8 p. m. A dinner in honor of Dr. Tone will be held in the club preceding the meeting, starting at 6:15 p.m.

McMillen Heads Farm Chemurgic

Agricultural Editor Succeeds Late F.P.Garvan — W.H.Dow Represents Chemical Industry

Wheeler McMillen, editorial director of *The Country Home* and a noted agricultural authority, has been elected to succeed the late Francis P. Garvan as president of the National Farm Chemurgic Council.

As an advocate since 1936 of the council's purpose to seek increased industrial utilization of American farm crops, Mr. McMillen is regarded as a pioneer of the chemurgic program. An Ohio farmer, he joined the Crowell Publishing Company in 1922. Through his constant efforts to expand from markets he has won widespread agricultural and scientific support.

Wheeler McMillen
New President, Farm Chemurgic Council

Willard H. Dow, president of the Dow Chemical Company, Midland, Mich., has been elected vice-president representing industry in the council. This office was formerly held by the late Howard E. Coffin.

Louis J. Taber, master of the National Grange, will continue as the council's vice-president representing Agriculture. The vice-president for Science is Dr. Roger Adams, head of the University of

(Continued on page 33)

Willard H. Dow
Farm Chemurgic Vice-President for Industry

Nitrogen Output and Use Set New World Record

Nitrogen production and consumption throughout the world during the fiscal year ended June, 1937, reached another new high record, according to the annual report of the British Sulphate of Ammonia Federation, Ltd. Production increased 8.4 percent over the preceding year, reaching 2,594,000 metric tons of pure nitrogen, while the estimated consumption was 10.7 percent higher than the preceding year at 2,675,000 metric tons, of which about 2,344,000 tons were consumed in agriculture. The old records which were established in the year ended June, 1936, were 2,393,000 tons produced and 2,417,000 tons consumed. New world production records were established for synthetic sulphate of ammonia which reached 654,000 tons in terms of pure nitrogen; cyanamide, 285,000 tons; nitrate of lime, 159,000 tons; and other forms of nitrogen, including nitrogen products used for industrial purposes (except Chilean nitrate) and ammonia in mixed fertilizers, which totaled 843,000 metric tons.

The report stated that synthetic nitrogen plants operated on an average of about 50 percent of capacity against 48 percent of capacity in the preceding year's report. This estimate is based on a calculated world production capacity for synthetic nitrogen, including cyanamide, of 3,900,000 tons.

Sulphate of ammonia held the ranking position of importance in the production and consumption of nitrogen for agricultural use, accounting for 47-49 percent of all fertilizer nitrogen. Others in order of importance in production and use as fertilizer materials were cyanamide, 11-13 percent; Chilean nitrate, 9-10 percent; lime ammonia nitrate (nitro-chalk forms), 8-9 percent; calcium nitrate, 7-8 percent; soda nitrate, 3-4 percent, and other synthetic nitrogenous fertilizers, 9-12 percent.

Brief comment was made on the international agreements indicating that they continued to operate satisfactorily.

Estimated world production and consumption of pure nitrogen for the 1936-1937 fiscal year and a comparison with the preceding year follow:—

World Production

	Metric tons—Fiscal year 1936-37.	1935-36.
Sulphate of ammonia		
by-product	470,000	376,000
synthetic	654,000	630,000
Cyanamide	285,000	269,000
Nitrate of lime	159,000	156,000
*Nitrogen, synthetic	843,000	724,000
by-product	40,000	46,000
Chilean itrate	206,000	192,000
Total production	2,594,000	2,393,000

World Consumption

Manufactured nitrogen	2,433,000	2,201,000
Chilean nitrate	242,000	216,000
Total consumption	2,675,000	2,417,000
Agricultural consumption about	2,344,000	2,084,000

* Including nitrogen products used for industrial purposes (except Chilean nitrate) and ammonia in mixed fertilizers.

NOTE.—Fertilizers are included in this table under the final form as sold, so that, for example, cyanamide, if converted into sulphate of ammonia, is included under synthetic sulphate of ammonia, or, if into ammophos, is included under other synthetic nitrogen.

Closing Market Developments

Ephedrine Prices Quoted Again

After the market having been nominal for a number of weeks because of a shortage of supplies, quotations on ephedrine alkaloid and salts were again quoted last week, the schedule being as follows:—Alkaloid, quantities of 100 ounces, $5.50 per ounce; 50 ounces, $5.75; 25 ounces, $5.90; 16 ounces, $6; 8 ounces, $6.05; and 4 ounces, $6.15; hydrochloride and sulphate, quantities of 100 ounces, $4.40 per ounce; 50 ounces, $4.65; 25 ounces, $4.80; 16 ounces, $4.90; 8 ounces, $4.95; and 4 ounces, $5.05.

Tin Oxide Lower

Price for tin oxide was reduced 2c. per pound at 48c. to 50c. per pound. Straits tin was lower at 41⅜c. per pound. The lower price for the metal was reflected in quotations for tin derivatives, with tin crystals, 33c. to 33½c. per pound; soda stannate, 28c. to 31c. per pound, and anhydrous tetrachloride of tin was 21c. per pound.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign and related trade regulations includes the following data:

Benzaldehyde.—Italy has cancelled the exemption from import duty on anthranilic acid, benzaldehyde and benzyl chloride when imported for use in the manufacture of synthetic perfumes. These products were again made subject to the general duty of 880 lire per 100 kilos.

Castor Beans.—Manchuria has subjected maize and castor beans to export restrictions.

Cattle Bones.—France has increased the export duty or rough cattle bones, not pulverized, from 7.50 francs to 9.50 francs per 100 kilos.

Gypsum.—Australia has freed from import license restrictions gypsum, plaster of paris and other like preparations having sulphate of lime as a base.

Margarin.—Belgium will not grant a license covering the importation of margarin and prepared fats, while any license that may have been issued to cover future shipments will not be considered valid.

Moulded Plastics.—Belgium has provided that imports of finished manufactures of imitation ivory, tortoiseshell, mother-of-pearl, amber and seafoam are no longer to be dutiable as manufactures of genuine ivory etc., but will be dutiable at lower rates of duty as manufactures of plastic materials derived from cellulose, casein, gelatin, phenols, etc., according to kind. In most cases the duty was reduced from 28.75 percent to 18 percent ad valorem.

Rosin.—Denmark has passed an import law revising the present import restriction system, effective January 1, 1938, and a number of products including rosin, have been released from the import permit requirement.

Soda Ash.—Manchuria has imposed restrictions on importations of soda ash.

Vanilla.—Belgium has reduced the import duty on vanilla from 3,220 francs to 2,500 francs per 100 net kilos.

Vegetable Oils.—Cuba has ruled, under date of December 17 and effective thirty days thereafter, that oils which have been produced in the United States, from oleaginous seeds grown in the United States, from oil seeds imported into the United States and crushed in Cuba, will upon their importation in Cuba be accorded the preferential rates of duty provided under the terms of the United States-Cuban reciprocal trade agreement.

C. S. A. Hold Xmas Party

The Salesmen's Association of the American Chemical Industry held its annual Christmas party at the Hotel Pennsylvania, this city, December 28. Attendance at the annual frolic was the largest on record, the official count being 285. A dinner was followed by a delightful program of entertainment. Bart Sheehan, of the Grasselli chemicals department of E. I. du Pont de Nemours & Co., was chairman of the entertainment committee, being ably assisted by Harold Fyffe, of the Oldburg Electro-Chemical Company, and Richard Quortrup, of the Barrett Company.

Chemical Price Average Recedes

Although a few quotations were advanced, reductions, chiefly affecting certain pharmaceuticals and solvents, lowered the average of prices in the markets for heavy and fine chemicals last week.

The tendency to keep inventories at the lowest workable minimum was accentuated by the holiday interruptions, and business was rather quiet. Because inventories held by processing industries are believed to be at bottom, increasing demand is widely expected to follow close upon the turn of the year. Sellers' sentiment is definitely not pessimistic with respect to the first quarter.

Prices were advanced on perchlorate of potash, gum and wood rosins, imported dicalcium phosphate, domestic tankage, and domestic dried blood in the East. Prices were reduced on tin crystals, tetrachloride of tin, stannate of soda, ethyl acetate, isopropyl acetate, methylisobutyl ketone, menthol, and Congo copals.

The REPORTER's composite index number of prices for heavy and fine chemicals lost its previous week's gain and stood again at 126.9 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 89.9, against 88.9 at this time last year.

Davison Chemical Corporation, manufacturer of sulphuric acid and superphosphate, Baltimore, held a conference of its sales force, December 20. Plans for the coming year were presented by Chester F. Hockley, president, and W. C. Geoghegan, sales manager. In the evening the salesmen and the office personnel were entertained at a Christmas party in the Chesapeake Club.

Louisiana section of the American Chemical Society has elected the following officers:—Chairman, Prof. Raymond Freas; vice-chairman, F. A. Irvine; secretary-treasurer, Dr. E. F. Pollard; councillors, Dr. Charles E. Coates and Prof. Hal W. Morseley; members of executive committee, James J. Ganucheau (three years) and C. B. Dicks (one year).

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Pest Control to Be Discussed Jan. 17-21

The second annual conference of pest control operators will be held at Purdue University, Lafayette, Ind., January 17 to 21. The conference will be directed by Prof. J. J. Davis, of Purdue, under the auspices of the National Pest Control Association with the co-operation of a number of noted entomologists.

The sessions will be held in the university agricultural hall. No particular headquarters have been selected; accommodations may be reserved at Purdue Memorial Union from $2.50 upward a day, or at the Fowler or the Lahr hotel, where rates are about the same. A charge of $2 will be made on registration; the banquet will cost $1.25; and those who desire to attend the Purdue-Northwestern basketball game, January 17, can get tickets at $1 each through Professor Davis.

The program for the conference is as follows:—

January 17

9:00-12:00 a. m. Registration, agricultural building, room 102.
1:30-4:00 p. m. Activities and needs of the pest control operator, J. J. Davis.
Reproduction and development of insects: how a knowledge applies to controls, H. O. Deay.
Insect structures, B. E. Montgomery.

January 18

9:00-12:00 a. m. Principles of insect control, J. J. Davis.
Insecticide appliances, G. E. Gould.
Sources of information, G. E. Lehker.
10:00-12:00 a. m. Identification of immature stages of household insects, for advanced group, H. O. Deay.
1:30-4:30 p. m. Chemistry of insecticides—introduction: explanation of chemical terms and some fundamentals of chemistry, H. B. Hass and F. J. Allen.
The chemistry and physics of soil poisons, G. L. Hockenyos.
Pyrethrum, derris, rotenone, and other plant poisons and their use in household insect control, H. E. Whitmire.
Evening. Window and advertising displays, H. W. Heine.

January 19

9:00-12:00 a. m. Identification of insects, H. O. Deay.
1:30-4:30 p. m. A history of commercial pest control, H. E. Jennings.
Clinic: Carpet beetles and mothproofing, E. A. Back and W. E. McCauley.
Evening. Salesmanship, A. H. Monroe.

January 20

9:00-12:00 a. m. Clinic: Cockroaches, fleas, bedbugs, G. E. Gould, W. E. McCauley, and C. Denny.
1:30-4:30 p. m. Co-operation between pest control operators and official entomologists, William O. Buettner.
Clinic: Rats and mice—the nation's problem, G. C. Oderkirk and E. F. Sennewald.
Evening. Banquet. President E. C. Elliott, toastmaster.

January 21

9:00-12:00 a. m. Clinic: Miscellaneous problems, including stored food insects, J. J. Davis, E. A. Back, and H. K. Steckel.
1:30-4:30 p. m. Clinic: The termite problem, T. E. Snyder, Olive Falls, and G. L. Hockenyos.
1:30-4:30 p. m. Identification of immature stages of household insects. H. O. Deay.

Further particulars may be got from Prof. J. J. Davis, Lafayette, Ind., or the secretary of the association, William O. Buettner, 3019 Fort Hamilton parkway, Brooklyn, N. Y.

Drug Store Chains Report Sales Decline

Average daily sales of chain drug stores in November, 1937, were 2.5 percent lower than in November, 1936, according to preliminary estimates of the Bureau of Foreign and Domestic Commerce. Fountain sales showed the greatest gain, being 2.7 percent higher than a year ago. Tobacco sales increased 1.6 percent. All other sales decreased 6.4 percent from November last year.

Without allowances for seasonal variations, November sales decreased 3.8 percent from sales of the preceding month. Fountain sales dropped 5.7 percent in the month; tobacco sales declined 2.5 percent and all other sales were down 3.6 percent. Of the geographic regions, the South Atlantic States, with a 5.1 percent increase, showed the greatest improvement from November, 1936, followed by the Mountain and Pacific States with an increase of 3.1 percent.

E. Roland Harriman was elected a director of the Anaconda Copper Mining Company.

DuPont Given Patent On New Sulphur Dye

The United States District Court for the District of Columbia has handed down a decision authorizing issuance of a patent to E. I. du Pont de Nemours & Co. to cover a new sulphur dye, based on a joint application of George Barnhart and Herbert A. Lubs.

The new dye is a recent contribution to the manufacture of sulphur colors, termed by one of the inventors as "an art, rather than a science." It is in the form of hard, shiny flakes or grains, and is said to be substantially free from defects which have afflicted the sulphur dye industry, such as spontaneous combustion, insolubility, swift deterioration, shifting of shade, dustiness and tendency to be blown through the air, and tendering of the fibers to which it is applied. The invention has met with considerable commercial success, the testimony at the trial showing that the sales by the du Pont company have already amounted to millions of pounds annually.

The patent application was rejected by the Board of Appeals of the Patent Office, following which the du Pont company filed a bill in equity in the United States District Court against the Commissioner of Patents to obtain a patent for this invention.

Dr. Miles A. Dahlen, testifying in behalf of the du Pont company, showed that ordinary sulphur black is extremely dusty, is wafted about on drafts and breezes, and constituted a fire hazard in the heat generated with rapid oxidation. Mr. Barnhart, testifying for the du Pont company, told of the characteristics of the new dye, citing its difference in composition from the powder type, which presents a larger surface to the air.

One of the inventors, Dr. Herbert A. Lubs, testified regarding the research and development of this important invention and described the technical development. He said:—

The sulphur colors are a very unique group of compounds in that they are of unknown composition. Many other dyestuffs are of definite composition, and their manufacture can be proceeded with along definite lines. But in the sulphur colors each slight variation makes a profound difference, often, in the results.

Prior to the development of the flakes

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Sherwin-Williams Is Host in Baltimore

Master painters, maintenance engineers of large institutions, and paint dealers were the guests of the Baltimore division of the Sherwin-Williams Company, paint and varnish manufacturer, Cleveland, in there recent gatherings in the Southern hotel, Baltimore. L. E. Stegner, manager of the division, represented the company as host.

New developments by the company in quality of products, colors, pigments, wall finishes, and methods of application were presented to the gatherings, special attention being given to the company's "Paint Craft" finishes. J. E. Wright and Jack Bramer, of the Cleveland plant technical staff, made the presentations and answered inquiries about details. From fifty to 150 persons attended each of the three gatherings. Refreshments were served.

The Sherwin-Williams Company has extended the marketing territory of its Baltimore division to take in Virginia and West Virginia, and has relocated a number of its men in the territory.

Splawn Heads I.C.C.

WASHINGTON, Dec. 28, 1937.

Pursuant to the policy adopted January 13, 1911, Commissioner Walter M. W. Splawn has been elected chairman of the Interstate Commerce Commission, effective January 1, 1938, for the ensuing year. He succeeds the present chairman, Commissioner Caroll Miller.

Commissioner Splawn, at one time a member of the Railroad Commission of Texas, was nominated by President Roosevelt, January 8, 1934, to be a member of the Interstate Commerce Commission; he took the oath of office February 1, 1934. He received his early education in Texas, and then took bachelor's and master's degrees at Yale University and Ph.D. degree at the University of Chicago. He was admitted to the Texas bar in 1909 and from 1912 to 1915 he practiced law at Fort Worth, Texas. Later he became professor of economics at the University of Texas and then president of that university.

Levy Sues N.A.R.D. For Special Fees

Herbert Levy, Baltimore attorney who was general counsel for the National Association of Retail Druggists from December 1, 1936, to October 31, 1937, has filed a suit in the Circuit Court of Cook County, Chicago, against the association for fees and costs claimed to be due him for services which he states were not included among those for which he was paid monthly retainer fees. These services are stated to have been (1) revision of the form of various druggists' liability policies; (2) preparation of legal opinions on various questions arising under the Federal social security act; (3) revision of the advertising contract between Young's Rubber Corporation and the association; (4) preparation of a model trading stamp act.

The appearance of the association in the action has been set for January 3.

Mr. Levy claims the sum of $3,504.53. In reporting the filing of the suit the *N.A.R.D. Journal* said that the bill recently submitted to the association was for $1,500, and that officers of the association contend that fees already paid Mr. Levy cover his entire services to the association, and that "there is nothing due him at this time."

Carbide Plant to Be Erected in Wales

After nine months' negotiations the British Oxygen Company has decided to proceed with the erection of a calcium carbide plant at Port Talbot, Glamorgan, South Wales. The plant, the cost of which is estimated at £1,000,000, will be located on a plot of 150 acres on the seaboard adjoining the Port Talbot docks.

The site selected is near virgin coalfields, and as coal will be used to produce power, as well as in the manufacturing process, new pits are expected to be opened in West Glamorgan to meet the requirements.

The new works will be laid out on the lines of the company's proposed calcium carbide plant in Scotland, except that the latter will use water power. Both plants will begin with a 20,000-ton unit; additional 20,000-ton units will be laid down as demand warrants. Officials of the company say that the South Wales plant probably will be in production before the Scottish plant.

Asphalt Conference Hits Highway Cuts

The Eleventh National Asphalt Conference held in December urged Congress not to act favorably on the recommendations of the President that present or future Federal-aid authorization be rescinded or reduced, or that well-established procedure in handling Federal-aid authorization be modified. The conference also called upon State legislatures to provide constitutional prohibition of the diversion of taxes for highway work to other purposes, and to enable highway bureaus to construct silewalks when necessary.

Producers of asphalt were urged to exercise the greatest care and undertake such revision of their refining operations as would insure the greatest possible uniformity in raw material and processes in preparing asphalts for a given purpose.

A strong plea was made to the asphalt industry and related engineering groups for the providing of adequate funds for research on asphalt products and their use. The Association of Asphalt Paving Technologists was asked to create a committee to plan the coordination of data reported by various agencies engaged in research on asphalt.

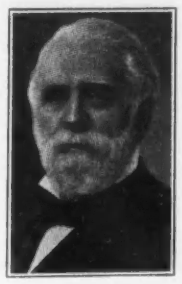
Benzol Production to Be Expanded in England

Additional land has been acquired by the National Benzole Company in the Trafford Park industrial estate at Manchester, England, in connection with plans for wide expansion of its operations. Existing storage facilities will be extended and new depots will be built. The company's program also calls for the erection of new benzol-producing plants.

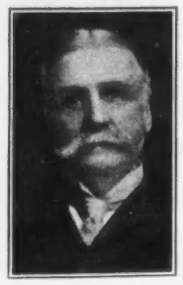
Plaster of paris and other forms of calcium sulphate have been removed from the Australian regulations requiring import licenses.

Eaton-Clark Company Is a Hundred Years Old

At the time of the financial panic of 1837, Theodore H. Eaton, a resident of Skaneateles, N. Y., was a traveler for the chemical and drug house of William Williams & Co., Buffalo. Detroit, one of the larger towns in the newly admitted State of Michigan, was in his territory. One of his customers in that town was the drug firm of Reilly & Ackerly, which had been in business for several years in the American hotel block at the southeast corner of Jefferson avenue and Randolph street.



Theo. H. Eaton
Founder of Eaton-Clark Company



Theo. H. Eaton, jr.
Founder's Son and First Partner

In 1838, Mr. Eaton bought the Reilly & Ackerly business, he being at that time twenty-three years old. He remained in Skaneateles, however, engaging David A. McNair, an employee of the former owner, to manage his Detroit business until May, 1842, when he moved to Detroit and actively took hold of the business that is now the Eaton-Clark Company, distributor of chemicals and dyestuffs, located at 1490 Franklin street, Detroit, and having a branch in Windsor, Ontario.

In its early years, the business was almost as diversified in lines as it is in items today. An advertisement in the 1845 (second) edition of the Detroit directory listed groceries, drugs, medicines, paints, oils and grease, dyewoods and dyestuffs, woolen manufacturers' machinery, carding and shearing machines, machine cards, reeds, and shuttles.

Theodore H. Eaton, jr., was four months old when his parents took him to Detroit in 1842. When he was seventeen years old and had completed his schooling, his father sent him on a tour of the chemical and dye factories in England, France, Germany, and Switzerland from which the Eaton firm purchased supplies. Upon his return from this town, the younger Eaton became an apprentice in the business, and seven years later was admitted as a partner in Theo. H. Eaton & Son.

The elder Eaton died in 1883, and his son became sole owner of the business. He took as a partner in 1890 Benjamin F. Geiger, who had been with the firm since 1863. Mr. Geiger died in 1905.

In 1899, Rufus W. Clark, a nephew of Theodore H. Eaton, jr., who had finished studies in dyestuffs and soapmaking at the Philadelphia Textile School and the University of Michigan, entered the business as salesman and assistant chemist. A few years later he became manager for the firm. Theodore H. Eaton, jr., died in 1910; the business was incorporated in 1911; and Mr. Clark was elected president and treasurer. Ten years later he became chairman of the board, a position which he still holds.

Berrien C. Eaton, president of the company, is a grandson of the founder. He entered the business in 1915 after attending Williams College, and was a member of the sales force until he entered the service in May, 1917. He returned to the company when he got back from France in 1919, engaging in buying and selling activities. He was made president and director in 1920. He is also a director of the Wholesale Merchants Bureau of the Detroit Board of Commerce.

Richard C. Hedke, vice-president and general manager, joined the firm in 1907 as a salesman. He served as secretary from 1918 to 1920 when he was elected vice-president and director. He is sales manager and director of purchasing, as well as general manager. William O. Emery has been treasurer since 1920 and secretary since 1932. He joined the company twenty-nine years ago.

The Eaton-Clark Company has thirty employees with service records of ten years or more. Eleven of the older vet-

(Continued on page 46)

N.Y. Chemical, Drug Corporations Dissolved

ALBANY, Dec. 27, 1937.

The Secretary of State has issued a proclamation dissolving 41,000 New York State corporations for failure to pay corporation taxes for three successive years. These corporations have three months in which to pay back taxes and preserve their corporate names.

The names of the dissolved corporations have been published in a book issued by the Secretary of State but not elsewhere. Only the name is listed, not the address, but as 90 percent of all new corporations are domiciled in Greater New York, it is safe to assume this ratio holds good regarding the dissolved companies. Past experience has shown that many corporations are dissolved in this way through error.

A check has been made of the 41,000 dissolved corporations and those whose name indicate them to be drug and chemical companies are listed below:—

Aker's Market Square Pharmacy, Inc., Alfin Laboratories, Inc., Almor Chemical Corporation, Annadale Chemists, Inc., Ansbach Medical Surgical Diagnostic Laboratories, Inc., Appleton Pharmacy, Inc., Argolan Laboratories, Inc., Associated Drug Store Window Display Service, Inc., Atlantic Oxygen Company.

Balneo Chemical Products Corporation, Beechhurst Chemists Shoppe, Inc., Bell-Man Chemical Company, Berwyn Pharmaceutical Corporation, Bison Laboratories, Inc., Bollett, Harry, Laboratories, Inc., Branche Drug Company, Branigan Chemist, Inc., Broughton Drug Company.

Carbonex Chemical Corporation, Carlton Chemists, Inc., Caryl the Chemist, Inc., Chemical Manufacturing Corporation, Chemical Solvent Company, Chlorine Chemical Corporation, Chlorine Products Company, Cook Cnemical Company, Corotneff, N., Laboratories, Inc., Crest Laboratories, Inc., Crown Heights Pharmacy, Inc.

Da-Ro Laboratory, Inc., Depto Chemists, Inc., Diamond Drug Company, Doray Laboratories, Inc.

Ella Chemical Company, Elliott's Pharmacy, Inc., Empire State Medical Company, Eneglotaria Medicine Company, Inc., Esthetical Dental Laboratory, Inc.

Fifth Avenue Laboratories, Inc., Fima Laboratories, Inc., Florence Pharmacal Corporation, Foreign Pharmaceutical & Extract Company, Forrest Pharmacy Realty, Inc., French Remedial Products

(Continued on page 32)

Oil, Gas Permits Extended One Year

WASHINGTON, Dec. 27, 1937.

Secretary of the Interior Harold L. Ickes has issued an order extending to December 31, 1938, all oil and gas prospecting permits outstanding December 31, 1937.

In granting this extension Secretary Ickes said that his decision to exercise the authority vested in him under existing law was prompted by the administrative delays necessarily incident to making the factual determinations required under the act of August 26, 1937 (50 Stat. 842), and by his desire to grant an additional period of grace to the holders of permits with respect to which equities are claimed, but which are not extended to December 31, 1939, by the act of August 26, 1937. While the order of extension applies to all permits outstanding December 31, 1937, it does not deprive any permittee of the extension to December 31, 1939, granted by the act of August 26, 1937, to those permits which fall within one or more of the five classes specified in the act. Permits granted the two-year extension by law are included in the general order of extension so that diligent compliance with the terms of such permits may be continued with assurance during the period of time consumed in making the necessary factual determinations under the act of August 26, 1937.

Permits which, December 31, 1937, do not fall in one or more of the five classes of permits specified in the act of August 26, 1937, are not granted an extension to December 31, 1939, by that act and cannot under any circumstances qualify for or become legally entitled to any extension beyond December 31, 1938. They are being extended only to that date and only for the purpose of allowing the permittees this final period

(Continued on page 51)

Current Market Quotations

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When not otherwise indicated, quotations are f. o. b. New York prices on large lots. Prices changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

Acacia—Alum

A

Acacia (see Gum, Arabic)			
Acetal, dms., works	lb.	.75	- 1.00
Acetaldehyde, dms., c.l., works	lb.	.14	- —
l.c.l., works	lb.	.16	- —
Acetamide, CP, bots., kegs, c.l., works	lb.	.35	- —
smaller lots, works	lb.	.43	- —
tech., kegs, c.l., works	lb.	.32	- —
l.c.l., 1,000 lbs., works	lb.	.38	- —
smaller lots, works	lb.	.43	- .75
Acetanilide, tech., 95%, bbls.	lb.	.29	Nom.
USP, bbls., 2,000 lbs	lb.	.30	- —
smaller lots	lb.	.31	- —
kegs, 2,000 lbs	lb.	.31	- —
smaller lots	lb.	.32	- —
Acetin, tech., dms	lb.	.33	- —
Acetoacetanilide, dms	lb.	.65	- .70
Acetone, CP, dms., c.l., dlvd.	lb.	.05¾	- —
l.c.l., dlvd	lb.	.06¼	- —
tanks, dlvd.	lb.	.04¾	- —
Methyl (see M)			
Acetophenone, bots	lb.	1.30	- 1.45
cns., 25 lbs	lb.	1.15	- 1.25
dms., 100 lbs	lb.	1.05	- —
Acetphenetidin, bbls., kegs, 1,000 lbs.	lb.	1.30	- —
single pkg	lb.	1.35	- —
smaller pkgs	lb.	1.32	- 1.40
Acid, abietic, bbls., c.l.	lb.	.09¾	- —
l.c.l.	lb.	.10	- —
Acetic, coml. or redist., 28%, bbls.	100 lbs.	2.23	- 2.48
cbys.	100 lbs.	2.73	- 2.98
56%, bbls.	100 lbs.	4.15	- 4.40
cbys.	100 lbs.	4.65	- 4.90
70%, bbls.	100 lbs.	5.17	- 5.42
cbys.	100 lbs.	5.67	- 5.92
80%, bbls.	100 lbs.	5.89	- 6.14
cbys.	100 lbs.	6.39	- 6.64
glacial, nat., CP., cbys.	100 lbs.	14.00	- —
99.5%, nat., bbls., c.l.,	100 lbs.	7.62	- 7.87
cbys.	100 lbs.	8.12	- 8.37
syn., al. dms., c.l.	100 lbs.	8.43	- 8.68
cbys.	100 lbs.	8.93	- 9.18
USP, dms	100 lbs.	10.25	-10.50
cbys.	100 lbs.	10.75	-11.00
pure, 30%, bbls., c.l.	100 lbs.	3.28	- 3.53
cbys.	100 lbs.	3.78	- 4.03
36%, bbls., c.l.	100 lbs.	3.66	- 3.91
cbys	100 lbs.	4.16	- 4.41
60%, bbls., c.l.	100 lbs.	6.15	- 6.40
cbys.	100 lbs.	6.65	- 6.90
80%, bbls., c.l.	100 lbs.	7.68	- 7.93
cbys.	100 lbs.	8.18	- 8.43

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l.	lb.	.13	- —
l.c.l., dms., cbys	lb.	.14	- .15
Acetylsalicylic, USP, bbls., 225 lbs.	lb.	.60	- —
boxes, 25 lbs	lb.	.61	- —
kgs., 100 lbs	lb.	.60	- —
Anthranilic, refd., bbls	lb.	.85	- .90
tech., bbls	lb.	.75	- —
Arsenous, tech. (see Arsenic, White).			
USP., powd., dms., kegs	lb.	.18	- —
Ascorbic, bots., dms	oz.	3.35	- 3.60
Battery, cbys, c.l., E. works 100 lbs.		1.60	- —
l.c.l., 25 or more, E. works, 100 lbs.		1.85	- —
10-24, E. works	100 lbs.	1.95	- —
1-9, E. works	100 lbs.	2.55	- —
Benzoic, tech., bbls., 4,000 lbs. or more	lb.	.43	- —
1,000 to 3,900 lbs	lb.	.44	- —
900 lbs. or less	lb.	.47	- —
USP, bbls., 4,000 lbs. or more	lb.	.54	- —
1,000 to 3,900 lbs	lb.	.55	- —
900 lbs. or less	lb.	.58	- .59
dms., 4,000 lbs. or more	lb.	.55	- .56
1,000 to 3,900 lbs	lb.	.56	- .57
900 lbs. or less	lb.	.59	- .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd.	ton.	105.00	- —
c.l., delvd	ton.	110.00	- —
l.c.l., ex whse	ton.	115.00	-120.00
sks., contracts, 80 tons, delvd.	ton.	95.00	- —
c.l., delvd	ton.	100.00	- —
l.c.l., ex whse	ton.	105.00	-110.00
powd., bbls., contracts, 80 tons, delvd.	ton.	110.00	- —
c.l., delvd	ton.	115.00	- —
l.c.l., ex whse	ton.	120.00	-135.00
sks., contracts, 80 tons, delvd.	ton.	100.00	- —
c.l., delvd	ton.	105.00	- —
l.c.l., ex whse	ton.	110.00	-125.00

USP, $25 per ton higher.

Broenner's, bbls	lb.	1.11	- —
Butyric, 99%, dms., c.l., S. Charleston, W. Va.	lb.	.22	- —
l.c.l., same basis	lb.	.23	- —
tanks, same basis	lb.	.21	- —
Camphoric, cans	lb.	5.50	- 5.70
Capric, dms	lb.	.13½	- .13½
Caproic, cans	lb.	2.20	- —
Carbolic (see Phenol).			
Castor oil, split, dms	lb.	.17½	- .18
Chlorosulphonic, dms., c.l., works	lb.	.0350	- —
5-drum lots, works	lb.	.04	- —
single drum	lb.	.05	- —
tanks, works	lb.	.03	- —
Chromic, 99%, dms., delvd. N.Y.,	lb.	.15¼	- .17¼
Cinnamic, refd., bots	lb.	2.85	- 3.25
Citric, cryst., bbls	lb.	.24	- —
kegs	lb.	.24½	- —
gran., bbls	lb.	.24	- —
kegs	lb.	.24½	- —
powd., bbls	lb.	.24½	- —
anhyd., gran., dms	lb.	.26½	- —
powd., dms	lb.	.27	- —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls	lb.	.50	- —
Coconut oil, dist., dms	lb.	.10¼	- .10¾
Cottonseed oil, dist., dms	lb.	.0554	- .0644
Acid, cresylic, high-boil, dms., c.l., works, frt. equaled	gal.	.89	- —
l.c.l., same basis	gal.	.91	- —
low-boil, dms., c.l., works, frt. equaled	gal.	.92	- —
l.c.l., same basis	gal.	.94	- —
imported pale, 97-99, dms.	gal.	.90	- 1.06
special resin grade, dms., c.l., works	lb.	.10¾	- —
l.c.l., same basis	lb.	.11¼	- —
Crotonic, dms., works	lb.	.75	- 1.00
Diethylbarbituric (see Barbital).			
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l.	lb.	.10½	- —
l.c.l., 25 and over	lb.	.11	- —
1-24	lb.	.11½	- —
inland territory, cbys., c.l.	lb.	.1185	- —
l.c.l., 25 and over	lb.	.1235	- —
1-24	lb.	.1285	- —
southern territory, cbys., c.l.	lb.	.1170	- .1240
l.c.l., 25 and over	lb.	.1220	- .1290
1-24	lb.	.1270	- .1320
Fumaric, bbls	lb.	.60	- —
Gallic, tech., bbls	lb.	.75	- .79
N. F., VI, bbls, 200 lbs., 5 or more	lb.	.87	- —
single bbls	lb.	.90	- —
fib. dms., 25 lbs	lb.	.96	- —
kgs., 100 lbs	lb.	.91	- —
Gamma, bbls	lb.	.85	- —
Gluconic, tech., 50%, bbls., 500 lbs.	lb.	.20	- —
H, bbls	lb.	.50	- .55
Hempseed oil, dms	lb.	.1180	- .1225
Hydriodic, 47%, bots	lb.	2.20	- 2.25
57%, bots	lb.	2.65	- 2.70
Hydrobromic, 10% dilut., USP, pure, 34% conct, cbys	lb.	.20	- .21
	lb.	.42	- .44
Hydrochloric (see Muriatic).			
Hydrocyanic, cyls, works	lb.	.80	- 1.00
Hydrofluoric, 30%, bbls	lb.	.07	- .0750
lead, cbys	lb.	.09	- .0950
48%, lead cbys	lb.	.1150	- .12
52%, lead cbys	lb.	.1250	- .13
60%, lead cbys	lb.	.15	- .1550
Hydrofluosilicic, 30-35%, bbls.	lb.	.10½	- .15
Hypophosphorus, USP, 30%, djns.	lb.	.75	- —
Lactic, tech., dark, 22%, bbls., c.l., works	100 lbs.	2.50	- —
l.c.l., bbls., works	100 lbs.	2.75	- —
cbys., works	100 lbs.	3.75	- —
44%, bbls., c.l., works	100 lbs.	5.50	- —
l.c.l., bbls., works	100 lbs.	5.75	- —
cbys., works	100 lbs.	6.75	- —
light, 22%, bbls., c.l., works	100 lbs.	3.50	- —
l.c.l., bbls., works	100 lbs.	3.75	- —
cbys., works	100 lbs.	4.75	- —
44%, bbls., c.l., works	100 lbs.	6.50	- —
l.c.l., bbls., works	100 lbs.	6.75	- —
cbys., works	100 lbs.	7.75	- —
50%, edible, 20 and over, bbls., cbys.	lb.	.10½	- .11¼
plastic grade	lb.	.12¼	- .13¼
5 to 19, edible, bbls., cbys., plastic grade	lb.	.11	- .19
	lb.	.12¾	- .18¾
1 to 4, edible, bbls., cbys., plastic grade	lb.	.11¼	- .12¾
	lb.	.13¼	- .14¼
80%, 5 and over, bbls., cbys.	lb.	.21	- .22
1 to 4 bbls., cbys	lb.	.21½	- .22¼
USP, X, 85%, cbys	lb.	.42	- .45
USP, VIII, 75%, cbys	lb.	.40	- .43
Laurent's, bbls	lb.	.45	- —
Linseed oil, carx or light, dms.	lb.	.1260	- .1300
tanks	lb.	.1200	- —
extra white, dms	lb.	.13¼	- .13½
Maleic, powd., dms	lb.	.30	- .40
anhydride, dms	lb.	.33	- .43
Malic powd., kegs	lb.	.45	- .60
Mandelic, bots	lb.	2.30	- —
fib. dms	lb.	2.05	- 2.20
Mixed, tanks, nitric unit	lb.	.06½	- .07¼
sulphuric unit	lb.	.0085	- .009
Monochloroacetic, tech., bbls.	lb.	.16	- .17
99%, bbls.	lb.	.18	- .19
Monosulphonic, bbls.	lb.	1.50	- 1.60
Muriatic, 18°, cbys., c.l., E. works	100 lbs.	1.50	- —
l.c.l., 25 and over, E. works	100 lbs.	1.75	- —
10 to 24, works	100 lbs.	1.85	- —
1 to 9, works	100 lbs.	2.45	- —
tanks, works	100 lbs.	1.05	- —
20°, cbys., c.l., E. works, l.c.l., 25 and over, works	100 lbs.	1.75	- —
	100 lbs.	2.00	- —
10 to 24, works	100 lbs.	2.10	- —
1 to 9, works	100 lbs.	2.70	- —
tanks, works	100 lbs.	1.15	- —
22°, cbys., c.l., E. works, l.c.l., 25 and over, works	100 lbs.	2.25	- —
	100 lbs.	2.50	- —
10 to 24, works	100 lbs.	2.60	- —
1 to 9, works	100 lbs.	3.20	- —
tanks, works	100 lbs.	1.65	- —
C.P., U.S.P., dealers, cbys.	lb.	.06¼	- —
6-lb. bots	lb.	.18½	- —
consumers, cbys	lb.	.08	- —
6-lb. bots	lb.	.20	- —
Myristic, dms	lb.	.15½	- .16
white, redist., dms	lb.	.17	- .17½
Naphthenic, S.V. 120-200, dms., 210-230, dms	lb.	.07	Nom.
	lb.	.09	Nom.
240-280, dms	lb.	.10	Nom.
sludges, dms	lb.	.05	Nom.
Nevile & Winther's, bbls	lb.	.85	- .87
Nitric, 36°, cbys., c.l., E. works, l.c.l., 25 and over, E. works	100 lbs.	5.00	- —
	100 lbs.	5.25	- —
10 to 24, works	100 lbs.	5.35	- —
1 to 9, works	100 lbs.	5.95	- —
38°, cbys., c.l., E. works, Western works	100 lbs.	5.50	- —
	100 lbs.	5.75	- —
l.c.l., 25 and over, E. works	100 lbs.	5.75	- —
10 to 24, works	100 lbs.	5.85	- —
1 to 9, works	100 lbs.	6.45	- —
40°, cbys., c.l., E. works, l.c.l., 25 and over, E. works	100 lbs.	6.00	- —
	100 lbs.	6.25	- —
10 to 24, works	100 lbs.	6.35	- —
1 to 9, works	100 lbs.	6.95	- —
42°, cbys., c.l., E. works	100 lbs.	6.50	- —
Acid, nitric, 42°, cbys., l.c.l., 25 and over, works	100 lbs.	6.75	- —
10 to 24, works	100 lbs.	6.85	- —
1 to 9, works	100 lbs.	7.45	- —
C.P., U.S.P., dealers, cbys.	lb.	.11½	- —
7-lb. bots	lb.	.22½	- —
consumers, cbys	lb.	.13	- —
7-lb. bots	lb.	.24	- —
Oleum (see sulphuric fuming).			
Oxalic, dom., bbls., c.l., works, 10,000 lbs., and over	lb.	.10¾	- —
	lb.	.11	- —
smaller quantities	lb.	.12	- .14
Palm oil, d. dist., dms	lb.	.0685	- .0760
s. dist., dms	lb.	.0625	- .0700
Perilla, dist., dms	lb.	.17	- .17½
Phenylacetic, bots	lb.	1.85	- 3.25
Phosphoric, tech., 50%, cbys.	lb.	.06	- —
75%, cbys.	lb.	.09	- —
USP, 85%, s. g. 1.710, cbys., 70 lbs.	lb.	.12	- —
djns., 25 lbs.	lb.	.15	- —
50% s.g., 1347, cbys., 70 lbs., djns., 25 lbs	lb.	.12	- —
	lb.	.15	- —
10%, dilut., cbys., djns.	lb.	.07	- .07½
Picramic, kgs	lb.	.65	- .70
Picric, bbls.	lb.	.35	- —
Propionic ref., cbys., works.	lb.	.25	Nom.
dms., works	lb.	.22	Nom.
tech., cbys., works	lb.	.20	Nom.
dms., works	lb.	.16	Nom.
Pyrogallic, tech., lump, powd., bbls.	lb.	1.05	- —
cns.	lb.	1.10	- —
USP, cryst., cns	lb.	1.45	- 1.63
resubl., cns	lb.	2.05	- 2.15
Pyroligneous, bbls., dlvd. E. gal.	gal.	.25	- —
Ricinoleic, dms	lb.	.38	- —
tech., bbls	lb.	.13	- —
Salicylic, tech., bbls	lb.	.33	- —
USP, bbls.	lb.	.40	- .45
Sebacic, C.P., bbls., works	lb.	.58	- —
tech., bbls., works	lb.	.37	- .41
Soybean oil, dist., dms	lb.	.09	- .09½
Stearic, distil., double pressed, bgs., dlvd.	lb.	.11	- .12
single pressed, bgs., dlvd.	lb.	.10½	- .11½
triple pressed, bgs., dlvd.	lb.	.13¾	- .14¾
saponif., double pressed, bgs, dlvd.	lb.	.11¼	- .12¼
triple pressed, bgs., dlvd.	lb.	.14	- .15
Succinic, bbls.	lb.	.75	- —
Sulphanilic, CP, bots, works.	lb.	1.60	- 1.68
tech., dms., works	lb.	.17	- —
Sulphonaphthenic, dms	lb.	.04	- .10
Sulphuric, 60°, cbys., c.l., E. works	100 lbs.	1.25	- —
l.c.l., 25 and over, works, 100 lbs.		1.50	- —
10 to 24, works	100 lbs.	1.60	- —
1 to 9, works	100 lbs.	2.20	- —
tanks, E. works	ton.	13.00	- —
66°, cbys., c.l., E. works, 100 lbs.		1.50	- —
l.c.l., 25 and over, works, 100 lbs.		1.75	- —
10 to 24, works	100 lbs.	1.85	- —
1 to 9, works	100 lbs.	2.45	- —
tanks, E. works	ton.	16.50	- —
98%, tanks, works	ton.	17.50	- —
C.P., U.S.P., dealers, cbys., 9-lb. bots	lb.	.06½	- —
consumers, cbys	lb.	.16½	- —
9-lb. bots	lb.	.08	- —
fuming, 20%, tanks, E. works	lb.	.18	- —
65%, tanks, E. works	ton.	18.50	- —
Tannic, tech., bbls., dms	ton.	36.00	- —
USP, fluffy, bbls., 1,000 lbs.	lb.	.40	- .47
100-lb. lots	lb.	.88	- —
25-lb. lots	lb.	.90	- —
powd., bbls., 1,000 lbs.	lb.	.93	- —
smaller lots	lb.	.78	- —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment	lb.	.80	- —
smaller quantities	lb.	.24¼	- —
kgs.	lb.	.24¾	- —
Tobias, bbls.	lb.	.25¼	- —
Trichloroacetic, bots.	lb.	.65	- —
Tungstic, CP, kgs	lb.	2.00	- 2.50
tech., kgs.	lb.	No prices	
		No prices	
Aconite, leaves, bls	lb.	.30	- .32
Root, bls	lb.	.35	- .36
Aconitine, amorph., bots	oz.	17.00	-18.00
vls.	gr.	.06	- .09
cryst., bots	oz.	30.00	- —
vls.	gr.	.09	- .11
Adeps, lanae, anhyd., dms	lb.	.17½	- .19
hyd., dms	lb.	.16	- .16
Agar, 1, bls	lb.	1.05	- 1.10
2, bls	lb.	.95	- 1.00
3, bls	lb.	.72	- .75
Agaric, white, bls	lb.	3.20	- 3.25
Albumen, blood, dark, flake, bgs., c.l., f.o.b. Chicago, frt. alld.	lb.	.11	- —
l.c.l., bgs., same basis	lb.	.13	- .15
pow'd, grade A, same basis, ton lots	lb.	.15	- —
smaller lots, Chicago	lb.	.18	- —
light, dom., flake, dms., Chicago	lb.	.52	- .60
import, bgs	lb.	.50	- —
Egg, ed., dom., bbls	lb.	1.05	Nom.
import, cs	lb.	.85	Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld.	lb.	.133	- —
l.c.l., frt. alld	lb.	.143	- —
tanks, frt. alld	lb.	.123	- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts.	lb.	.09½	- —
l.c.l., same terms	lb.	.10	- —
tanks, same terms	lb.	.08½	- —
Benzyl, cans	lb.	.63	- —
drums	lb.	.63	- —
Butyl, normal, dms., c.l., frt. alld.	lb.	.10	- —
l.c.l., frt. alld	lb.	.10½	- —
tanks, frt. alld	lb.	.09	- —
secondary, dms., c.l., frt. pd., E. of Rocky Mts.	lb.	.07	- —
l.c.l., same terms	lb.	.07½	- —
tanks, same terms	lb.	.06	- —
tertiary, denating, dms., frt. alld.	lb.	.14	- —
Capyrl, pure, dms., works	lb.	2.50	- —
tech., dms., works	lb.	.85	- —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs.	lb.	1.50	- —
500 lbs.	lb.	1.70	- —
100 lbs.	lb.	1.80	- —
25 lbs.	lb.	1.90	- —
5 lbs.	lb.	2.00	- —
coml., dms	lb.	.95	- —
Alcohol, cetyl, import, 85%, dms. 100 lbs.		.55	- —
5 to 10 lbs	lb.	.75	- —
coml., dms., 350 lbs	lb.	.45	- —
Cinnamic, bots	lb.	2.00	- 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E.	gal.	.35	- —
l.c.l., works, dms., dealer and industrial accounts.	gal.	.40	- —
jobber accounts	gal.	.38	- —
tanks, E., works	gal.	.29	- —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works	gal.	.34	- —
19 bbls., E. works	gal.	.36	- —
1 to 18 bbls., E. works, dms., c.l., E. works	gal.	.39	- —
	gal.	.33	- —
19 dms., E. works	gal.	.35	- —
1 to 18 dms., E. works, tanks, E. works	gal.	.38	- —
	gal.	.27	- —
Anhydrous, 5c. per gal. higher.			
SD28-G, works, E., dms., c.l., works	gal.	.37½	- —
19 dms	gal.	.39½	- —
1 to 18 dms	gal.	.42½	- —
tanks	gal.	.31½	- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works	gal.	.34	- —
20 dms., E. works	gal.	.36	- —
1 to 19 dms., E. works, tanks, E. works	gal.	.39	- —
	gal.	.28	- —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld.	lb.	.13½	- —
l.c.l., frt. alld	lb.	.14	- —
tech., contract, dms., c.l., frt. alld.	lb.	.12½	- —
l.c.l., frt. alld	lb.	.13	- —
Ethyl, 190 pf., ex molasses, bbls., c.l.	gal.	4.13	- —
19 bbls	gal.	4.15	- —
1 to 18 bbls	gal.	4.18	- —
dms., c.l	gal.	4.12	- —
19 dms	gal.	4.14	- —
1 to 18 dms	gal.	4.17	- —
tanks	gal.	4.06	- —
absolute, dms., c.l	gal.	4.42	- —
19 dms	gal.	4.44	- —
1 to 18 dms	gal.	4.47	- —

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works	lb.	.45	- —
dms., c.l., 33,000 lbs., works, l.c.l., 500 lbs. and more, works	lb.	.30	- —
	lb.	.35	- —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.10	- —
l.c.l., same terms	lb.	.13½	- —
tanks, same terms	lb.	.12	- —
Isoamyl, primary, dms., l.c.l., dlvd.	lb.	.27	- —
cans, works	lb.	.32	- —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies.	lb.	.09½	- —
l.c.l., same terms	lb.	.10	- —
tanks, same terms	lb.	.08½	- —
Isopropyl, denat., grd., dms., c.l., frt., alld.	gal.	.32	- —
l.c.l., frt., alld.	gal.	.33	- —
refd., 91% dms., c.l., f.o.b. dest.	gal.	.39½	- —
l.c.l., same terms	gal.	.44½	- —
tanks, same terms	gal.	.34½	- —
98% dms., c.l., same terms, gal.	gal.	.44½	- —
l.c.l., same terms	gal.	.49½	- —
tanks, same terms	gal.	.39½	- —
tech., 91% dms., c.l., same terms	gal.	.35	- —
l.c.l., same terms	gal.	.40	- —
tanks, same terms	gal.	.30	- —
98% dms., c.l., same terms, gal.	gal.	.39½	- —
l.c.l., same terms	gal.	.44½	- —
tanks, same terms	gal.	.34½	- —
Methyl (see Methanol)			
Phenylethyl, bots., cns	lb.	2.70	- 4.25
Propyl (see Isopropyl)			
Aldehol, denat., grade, dms., tanks, works	gal.	.70	- .80
Aldol, 95%, dms., c.l., works	lb.	.21	- —
l.c.l., works	lb.	.25	- —
Aletris root, bgs	lb.	.45	- .50
Alizarin (see Red, alizarin).			
Alkanet root, bgs	lb.	.10	- .11
Aloe, Barbados, true, cs	lb.	.85	- .90
Cape, cs	lb.	No stocks	
Curacao, cs	lb.	.35	- .36
gourds, bbls	lb.	.50	- .55
Socotrine, kgs	lb.	.60	- .62
Aloin, 140-lb. bbls	lb.	2.00	- —
100-lb. kegs	lb.	2.02	- —
25-lb. fib. dms	lb.	2.00	- —
Alphanaphthol, bbls	lb.	.52	- —
Alphanaphthylamine, bbls	lb.	.32	- —
Althea root, cube cut, bls	lb.	.30	- .32
Alum, ammonia, burnt, USP, bbls.	lb.	.16	- .18
gran., bbls., works	100 lbs.	3.00	- 3.05
divd. N.Y., Phila	100 lbs.	3.15	- —
lump, bbls., works	100 lbs.	3.25	- 3.50
divd. N.Y., Phila	100 lbs.	3.40	- —
powd., bbls., works	100 lbs.	3.40	- 3.65
divd. N.Y., Phila	100 lbs.	3.55	- —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; divd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works,	100 lbs.	3.25	- 3.50
divd. N.Y., Phila	100 lbs.	3.40	- —
lump, bbls., works	100 lbs.	3.50	- 3.75
divd. N.Y., Phila	100 lbs.	3.65	- —
powd., bbls., works	100 lbs.	3.65	- 3.90
divd. N.Y., Phila	100 lbs.	3.80	- —

Potash alum prices on same basis as those for ammonia alum.

Alum, potash-chrome, bbls....lb. .06½- .06¾
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, C.P. 20% solut., bbls..lb. .09 - .10
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works.lb. .08 - —
100 lbs., or less, works.lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms., works.....lb. .06¼- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .03¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .23 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —
Iron-free, bgs., c.l., works... 100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63 - —
5,000 lbs., same basis..lb. .64 - —
1,500 lbs., single shipt., same basis..lb. .65 - —
On 1,500-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 1,500-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.
ink, dms., 30,000 lbs., same basis..lb. .73 - —
6,000 lbs., same basis...lb. .74 - —
1,500 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis...lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90 - —
5,000 lbs., same basis..lb. .91 - —
1,500 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55 - —
5,000 lbs., same basis..lb. .56 - —
1,500 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis, lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .46 - —
1,500 lbs., single shipt., same basis..lb. .47 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
rubber comp., dms., 30,000 lbs., same basis..lb. .38 - —
5,000 lbs., same basis..lb. .39 - —
1,500 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste).
unpolished, dms., 30,000 lbs., same basis..lb. .35 - —
5,000 lbs., same basis..lb. .36 - —
1,500 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste).
varnish, extra brilliant, dms., 30,000 lbs., same basis.lb. .41 - —
5,000 lbs., same basis..lb. .42 - —
1,500 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45 - —
5,000 lbs., same basis..lb. .45 - —
1,500 lbs., single shipt., same basis..lb. .47 - —
split shipt. (see note fine lining paste).

Aluminum, powd., varnish standard, dms., 30,000 lbs., same basis..lb. .40 - —
5,000 lbs., same basis..lb. .41 - —
1,500 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
Ambergris, gray, tins.....oz.17.00 -36.00
Aminopyrine, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs.....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.). works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05½
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .42
1,000 lbs. to 3,900 lbs....lb. .42 - .43
900 lbs. or less.....lb. .45 - .46
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 5.15 - —
l.c.l., dlvd. N. Y....100 lbs. 5.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
Carbonate, tech., dom., bbls, lb. .08 - .12½
imported, csks. .....lb. .08 - .12½
USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal).
U.S.P., gran., bbls.....lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms. .....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls. .....lb. .17 - .19
Hydroxide, (see Ammonia, aqua),
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls. .....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls. .....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms. .....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kegs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - —
Phosphate, dibasic, N,F.V., bls., lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 18% phos., bulk, f.o.b. E. works.. unit-ton. 1.20 & .70
pure, bbls. .....lb. .40 - .45
tech., bbls., c,l. .....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls. .....lb. .15 - —
Salicylate, U.S.P., kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 6-8 mos., Jan.-June, 1938 .....ton.28.50 - —
Ammonia sulphate contracts any 1-5 mos., through June, 1938, $1 per ton additional; spot prices $1 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.
Sulphide, liquid, 35-40%, basis 100%, dms,, works..lb. .12 - .15
tanks, delvd. .....lb. .11 - —
Sulphocyanide, com'l. fib., dms., 2,000 lbs., works.....lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs. .....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom,, bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., contracts, works..100 lbs. 5.00 - 5.05
import, csks. .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt., alld.....lb. .12 - —
tanks, works .....lb. .10½- —
ex pentane, dms., frt. alld.lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms.. c.l., frt. pd., E. of Rocky Mts..lb. .09½- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .08½- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech ,, dms.,. c.l., works..lb. .07 - —
l.c.l., works.....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs. .....lb. .51 - —
Stearate, dms., l.c.l., works..lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.80 - 1.85
Angelica root, dom., bls.....lb. .80 - .81
import, natural, bls.....lb. .28 - .30
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .40 - .45
Aniiin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .12½- .13
Star, bgs.....lb. .15½- .16
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .07¾- .08½
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 - —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .15 - —
l.c.l. .....lb. .15½- —
Salts, 65%, kgs.....lb. .23¾- .24

Antimony, white, pigment, bgs., c.l. Texas works, frt. alld. to ½c..lb. .12½- .15¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apemorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots..oz. 4.35 - 4.50
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .33 - .35
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .08¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .19 - .20
powd., bbls., bxs.....lb. .55 - .75
Asbestine (see Talc, N. Y. fibres).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.35.00 - —
6D, bgs., c.l. (30 tons). Canad. mines—ton.27.00 - —
7D, bgs., c.l. (30 tons), Canad. mines—ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .08½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N.Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.90 - —
seconds, bgs., c.l., Western shipt. points .....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .18 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo,, refinery.....gal. .07¼- —
Atropine, bots. .....oz. 5.25 - 5.80
Sulphate, bots. .....oz. 2.85 - 2.95
cns. .....oz. 2.80 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .22 - .25
Tree bark, bls.....lb. .10 - .11
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works..ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works..ton.52.50 - —
bbls., works.....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works.....ton.62.50 - —
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs.....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms. .....lb. .20 - —
Barium chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line....ton.77.00 - —
bbls., same basis, ton.79.00 - —
l.c.l., bgs., same basis. ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N. - S. Carolina, Ga.. Ala., Miss., Fla..ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis. ton.94.00 - —
bbls., same basis..ton.96.00 - —
Zone 3, bgs,, c.l., dlvd., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., same basis....ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .15 - .16
Fluosilicate, bbls.....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots. .....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks. .....lb. .07 - .08¼
Oxide, dms.....lb. .09 - .11
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —

Alum—Black, Carbon

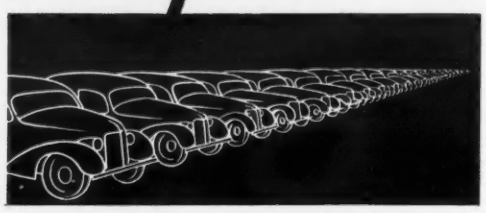
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85 - —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.00 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.39.30 - —
Southern off color, bulk, mines..ton.12.00 - —
95,75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex whse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.13.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex whse.....ton.32,50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 Nom.
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .12 - .13
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., cns.....lb. .49 - —
dms. .....lb. .44 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., cns..lb. .94 - —
dms. .....lb. .89 - —
Chloride, 95-97%, refd., dms.lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.20 @ 3.50
Berberine bisulphate, cns.....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, sublm., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib, dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .18 - .20
Bismuth chloride, 5-lb. bots..lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb. bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.93 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
cns. .....lb. 3.25 - —
Subcarbonate, bots., cns.....lb. 1.32 - 1.58
fib. dms.....lb. 1.23 - 1.26
X-ray, 5-lb. bots.....lb. 2.52 - —
fib. dms.....lb. 2.46 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms. .....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.88 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib. dms.....lb. 1.13 - 1.16
Subsalicylate, 62-66%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots..lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.56 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots..lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots. lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., dlvd....lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E. lb. .12½- —
l.c.l., frt. alld, E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E..lb. .10½- —
l.c.l., frt. alld, E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E..lb. .09½- —
l.c.l., frt. alld, E.....lb. .10 - —
4, bbls., c.l., frt. alld. E..lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld, E.....lb. .08 - —
6, bbls., bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .09 - —
l.c.l., frt. alld. E.....lb. .09½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07¼- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08¼- —
l.c.l., dlvd.....lb. .10¼- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16¼- —
4, bgs., c.l., works.....lb. .27¼- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —

Black—Brown

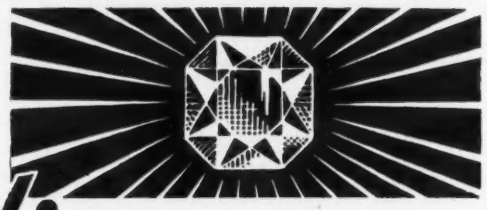
Black, carbon standard, bgs., c.l., divd., rail zone A (Gulf ports), for delivery in N. A. (water freights extra)..lb. .0320- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .03½- —
50,000 lbs., divd., Zone C (Pac. Cst. States)...lb. .0365- —
30,000 lbs., divd., Zone C, Pac. Cst. States..lb. .0380- —
D (Ill., Ia., Wis.)..lb. .0365- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. 0380- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0410- —
G (Mexico).....lb. .0430- —
l.c.l., f.o.b. whse.....lb. .06½- —
bulk, tankcars, ¼c. per lb. less than bgs. in each zone.
ctns., l.c.l., ex-whse.....lb. .07 - —
os., l.c.l., ex-whse.....lb. .07¾- —
export, full, compsd., cs., f.a.s. Gulf ports..lb. .05½ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Black, lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .06 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b., N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y. lb. .04½- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw, root bark, bls.....lb. .33 - .35
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
Blanc fixe, pulp, 66⅔%, bulk, c.l., works..ton.40.00 -42.50
Bleaching powder, dms., c.l. works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.00 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.00 - 3.15
import, bgs. c.i.f. ports, Jan. shipt., unit-ton. 3.25 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. 14 - .15
Blue, alkali, toner, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher divd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Celestial, bbls. .....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls, f.o.b works, frt. alld..lb. 3.30 - 3.75
Blue, Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kegs...lb. 4.00 - —
Victoria, kegs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equld..lb. .11 - —
regular 1, bbls., works, frt. equaled..lb. .16 - —
2, bbls., same basis....lb. .18 - —
3, bbls., same basis....lb. .19 - —
4, bbls., same basis....lb. .20 - —
5, bbls., same basis....lb. .23 - —
6, cobalt, A, same basis.lb. .27 - —
B, bbls., same basis.lb. .24 - —
C, bbls., same basis.lb. .23 - —
D, bbls., same basis.lb. .22 - —
7, A, bbls., same basis..lb. .23 - —
B, bbls., same basis...lb. .22 - —
special, 1, bbls., same basis lb. .19 - —
2, bbls., same basis....lb. .20 - —
3, bbls., same basis....lb. .22 - —
4, bbls., same basis....lb. .23 - —
5, bbls., same basis....lb. .25 - —
6, bbls., same basis....lb. .27 - —
pulp, 1, bbls., same basis..lb. .27 - —
2, bbls., same basis.....lb. .25 - —
3, bbls., same basis.....lb. .23 - —
4, bbls., same basis.....lb. .20 - —
Ultramarine, blue, divd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.56 - —
Blue dyes are listed under Dyes.
Bluedag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 4.50 - —
16-25 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.85 - —
3-5 bbls., same basis, 100 lbs. 5.10 - —
1-2 bbls., same basis. 100 lbs. 5.25 - —
monohydrated, dms., c.l. dealers..lb. .09¼- .10¼
l.c.l., dealers.....lb. .0950- .1050
Bluestone (see Blue vitriol)
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -30.00
c.i.f. Atlantic ports...ton.30.00 - —
import, bgs., c.i.f., ports.ton.28.50 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.20.00 -22.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.23.75 - —
phosphate, precip. (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.18.00 -20.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.21.50 - —
Borage flowers, bls.....lb. .20 - .21
Borax, tech., 99½%, cryst., bbls., contracts, 80 tons min., divd..ton.58.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., divd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
gran., bbls., contracts, 80 tons min., divd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., divd..ton.42.00 - —
l.c.l., ex whse.....ton.51.00 -56.00
powd., bbls., contracts, 80 tons min., divd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., divd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11½- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs., and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots. .....lb. 1.75 - 2.00
cns. .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, U.S.P., bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .60
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12½- —
Metallic, bbls., works.....lb. .02½- —
paper bags, c.l., works....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .06 - —
Italian, 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08⅜- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07⅞- —
9, bbls., same basis....lb. .07¼- —
10, bbls., same basis....lb. .06⅞- —
11, bbls., same basis....lb. .06⅜- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02⅞- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis....lb. .10⅞- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .06½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07⅞- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06⅜- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
Umber, American, bbls. works. lb. .02⅞- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04⅜- —

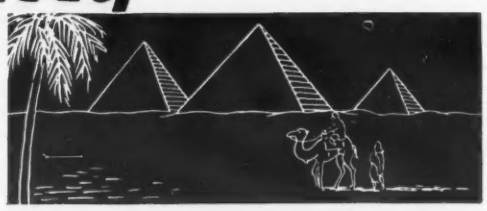
Preferred because of Uniformity



Brilliance



Durability



Recommended to all Lacquer and Varnish manufacturers as a prime aid to excellence.

THE STANDARD AUTOMOTIVE BLACK

Super Spectra

BINNEY & SMITH CO.
41 East 42nd St., New York, N.Y.

COLUMBIAN CARBON CO.

Brown, umber, Turkey, bbls., l.c.l., ex sar Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04⅝- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04⅝- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04⅝- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04½- —
Vandyke, bbls., l.c.l.....lb. .05⅝- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls .....lb. .10 - .11
Buchu leaves, bls.....lb. .50 - .52
Buckthorn bark, true, bls.....lb. .05 - .05½
Berries, bgs.....lb. .19 - .20
Burdock root, bls.....lb. .10 - .10½
Burgundy pitch, dom., bbls., c.l., works..lb. .05½- —
l.c.l., dlvd. E.....lb. .06¼- —
import., stands.....lb. .15 - .16
Butanes, comi., 16-32°, tanks, group 3..gal. .02¼- .03⅝
Butternut bark, bls.....lb. .08 - .09
Butyl acetate, norm., dms., c.l., contract, frt. alld..lb. .10 - —
l.c.l., contract, frt. alld.lb. .10½- —
tanks, contract, frt. alld.lb. .09 - —
Secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .08 - —
l.c.l., same terms.....lb. .06½- —
tanks, same terms.....lb. .07 - —
Alcohol (see Alcohol):—
Aldehyde, dms., l.c.l.....lb. .17½- —
Carbinol (see Carbinol).
Lactate, dms.....lb. .22½- —
Propionate, dms., dlvd.....lb. .17 - —
Stearate, dms.....lb. .26 - —
Butyric ether, bots.....gal. 6.60 - 6.95
cns., works.....lb. .65 - .70
dms, frt. alld. Met. N. Y..lb. .60 - —

C

Cadmium bromide, 100 lbs., works, frt. equal'd..lb. 1.66 - —
50 lbs., works.....lb. 1.71 - —
25 lbs., works.....lb. 1.76 - —
5 lbs., works.....lb. 1.91 - —
Iodide, bots.....lb. 4.16 - 4.31
Jars .....lb. 4.02 - —
Lithopone (see Yellow).
Metal, cs.....lb. 1.60 Nom.
Red (see Red).
Selenide (see Red).
Sulphide (see Yellow).
Caffeine, 100 lb. dms., 10,000 lbs. or more..lb. 2.20 - —
2,000 lbs., or more.....lb. 2.25 - —
1,000 lbs., or more.....lb. 2.30 - —
100 lbs.....lb. 2.35 - —
25-lb. dms., 10,000 lbs., or more..lb. 2.23 - —
2,000 lbs., or more.....lb. 2.28 - —
1,000 lbs., or more.....lb. 2.33 - —
100 lbs.....lb. 2.43 - —
25 lbs.....lb. 2.55 - —
10-lb. cns., 10,000 lbs., or more..lb. 2.25 - —
2,000 lbs., or more.....lb. 2.30 - —
1,000 lbs., or more.....lb. 2.35 - —
100 lbs.....lb. 2.45 - —
less than 100 lbs.....lb. 2.75 - —
5-lb. cns., 25 lbs., or more, lb. 2.70 - —
less than 25 lbs.....lb. 2.85 - —
Citrated, cns.....lb. 1.80 - 2.10
Hydrobromine, bots.....lb. 4.01 - 4.20
Calabar beans, bgs.....lb. .25 - .26
Calamus root, bleached, cs.....lb. .45 - .50
peeled, bls.....lb. .10 - .12
Calcium acetate, bgs., dlvd.... 100 lbs. 1.65 - —
Arsenate, dms., c.l., dealers, North and West..lb. .06¾- —
l.c.l., dealers.....lb. .07¼- —
southern cotton states, dealers, dms., c.l...lb. .06½- —
l.c.l., dealers .....lb. .07 - —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .70 - —
50 lbs., works.....lb. .72 - —
25 lbs., works.....lb. .75 - —
Carbide, dms .....lb. .05 - .06
Carbonate (see Chalk and Whiting).
Chloride, flake, dom., 77-88%, paper bgs., c.l., dlvd., ton.23.00 - 36.00
burlap bgs., dms., c.l., dlvd. ton.23.50 -36.50
l.c.l., 1 ton or over, dlvd..100 lbs. 1.78 - 2.43
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, bgs., dms., c.l., dlvd..ton.21.50 -34.50
l.c.l., 1 ton or over, dlvd..100 lbs. 1.68 - 2.33
Gluconate, U.S.P., gran., powd., bbls., 125 lbs..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.00 - —
smaller lots .....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 3.70 - 3.85
Lactate, USP., bbls. 200 lbs.lb. .25 - —
Nitrate, bgs., to fert. mfrs., ex vessels, Camden, N. J., or f.o.b. cars, So. Atlantic ports ton.28.00 - —
Palmitate, bbls.....lb. .22 - .23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt..unit-ton. .78 - —
tribasic, c.l., bbls., works.lb. .06½- —
l.c.l., bbls.....lb. .07½- —
Resinate, precip., bbls., 1 ton, lb. .13 - —
smaller lots .....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., 1 ton.....lb. .20 - —
Sulphate (see Gypsum)
Sulphide, 75% CaS (minus 100 mesh), c.l., works.ton..52.00 - —
l.c.l., works .....ton.56.00 - —
63/65 CaS, c.l., works...ton.58.00 - —
l.c.l., works.....lb.64.00 - —
luminous, dom., tins, works, 100 lbs. .75 - —
Sulphocarbolate, bbls.,200 lbs.lb. .48 - —
kgs., 100 lbs. .....lb. .50 - —
Calendula flowers, bls.....lb. .38 - .39
Calomel, bbls., fib., dms., kgs., 50 lbs., or more..lb. 1.50 - —
Camphor, natural, powd., cs..lb. .55 - .56
slabs, cs.....lb. .55 - .56
tablets, tins.....lb. .60 - .61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs..lb. .50 - —
500 lbs.....lb. .51 - —
100 lbs.....lb. .52 - —
Monobromate, bxs., kgs.....lb. 1.75 - 1.80
Canada balsam (see Fir balsam)
Canary seed, Argentine, bgs..lb. .04¾- .05
Morocco, bgs.....lb. .04¾- .05
Turkish, bgs. .....lb. .04¾- .05
Canella alba bark, bls.....lb. .37 - .38
Cantharides, Chinese, cs.....lb. .70 - .75
powd., bxs.....lb. .95 - 1.00
Russian, cs. .....lb. 1.25 - 1.30
powd., bxs.....lb. 1.60 - 1.65
Capsicum (see Pepper, red).
Caraway seed, Dutch, bgs.....lb. .07½- .07¾
Carbazole, 70-80%, dms., works.lb. .60 - —
90%, dms., works.....lb. .80 - —
95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .85 - —
98.5-99%, dms., ton lots, works. lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm., dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
secondary, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Isobutyl, 128-132°, dms., c.l., works..lb. .33 - —
l.c.l., works.....lb. .34 - —
tanks, works.....lb. .32 - —
Methylpropyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Dimethylethyl, dms., works..lb. .60 - —
small lots, works.....lb. .75 - —
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .04½- —
Dioxide, cyls.....lb. .06 - .08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R. R. of Ohio R..lb. .05¼- —
l.c.l., same basis.....lb. .05¾- —
10-gal. dms., c.l., (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
5-gal. dms. c.l. (20 tons), same basis..lb. .07 - —
l.c.l., same basis.....lb. .08 - —
tanks, same basis.....lb. .05 - —
Fire extinguisher liquid. 2c. lb. higher.
Cardamom, bleached, cs.....lb. 1.65 - 1.90
decorticated, cs.....lb. 1.30 - 1.40
green, bgs.....lb. .87 - .88
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .11¾- .12
Case-hardening mixture, 45%, gran., dms., l.c.l..lb. .11⅞- —
lump, dms., l.c.l.....lb. .10⅞- —
60% lump, dms., l.c.l.....lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .11 - .11½
5 tons, works.....lb. .12¾- .13
smaller lots, works.....lb. .13¼- —
80-100 mesh, bgs., c.l., dlvd., lb. .11½- .12
5 tons, works.....lb. .13 - .13½
smaller lots, works.....lb. .14 - —
import, Argent., 20-30 mesh, bgs., c.l., duty pd..lb. .13 - —
80-100 mesh, bgs., c.l., duty pd..lb. .13½- —
French, 30 mesh, bgs., c.l., duty pd..lb. .17 Nom.
Cassia, Batavia, 1, bgs.....lb. .15½- .16
3, bls.....lb. .09½- .10
short stick, bls.....lb. .12¾- .12½
China, rolls, select, cs.....lb. .07 - .07¼
broken, extra bls.....lb. .04¾- .05
Saigon, bls. .....lb. .15½- .16
Cassia buds, cs.....lb. .22 - .23
Cassia fistula, bskts.....lb. .10 - .11
Castile soap, white, bars, cs., 40 lbs.11.75 -12.50
powd., bbls.....lb. .28 - .35
Castoreum, nat., cns.....lb.15.00 -18.00
synth., bots. .....lb.19.00 - —
Castor oil (see Oil, castor).
Pomace, dom., 5½% ammon., bgs., c.l., works..ton.21.00 - —
import, bgs., c.i.f., ports., shipment..ton.21.00 - —
Catnep leaves, bls.....lb. .16 - .19
Celery seed, French, bgs.....lb. .16 - .16½
Indian, bgs.....lb. .14 - .14½
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, cs., works..lb. .40 - —
Acetobutyrate, 501 lbs. and over, works..lb. .52 - —
10± lbs., works.....lb. .58 - —
smaller lots, works.....lb. .55 - —
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y..bbl. 6.50 - —
Cerium hydrate, dms., works..lb. .60 - —
Oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b., works..lb. .03¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .24 - .25
Roman, bls.....lb. .24 - .25
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.30.40 - —
Colo. .....ton.27.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.30.80 - —
Ill., (except river points), Minn., Neb., Wis. .....ton.25.00 - —
Indiana .....ton.26.00 - —
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso).ton.23.00 - —
Kansas, El Paso, Tex. ton.24.00 - —
Michigan .....ton.27.80 - —
Ohio, Penn.....ton.29.80 - —
Utah .....ton.34.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works.....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.00 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse.....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs. .....lb. .86 - .95
100 lbs. .....lb. .88 - .97
25 lbs. .....lb. .90 - .99
1-10 lbs. .....lb. .95 - 1.02
dms., 1,000 lbs. .....lb. .80 —
500 lbs. .....lb. .83 - —
100 lbs. .....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y.....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —
tanks, multiple unit, 2, works, frt. equald..100 lbs. 2.55 - —
1, works, frt. equald, 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .25 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chloropicrin, comi., 185-lb. cyls., works..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls.....lb. .05 - .08
Cake, bulk, c.l., works.....ton.15.00 -16.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs.....lb. .45 - —
scales, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns.....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs.....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs.....lb. .55 - .60
short, bgs.....lb. .50 - .55
Ecuador, tubes.....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .52 - —
large, cns.....100 ozs..oz. .57 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs.oz. .47 - —
Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs..oz. .54 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb.....lb. 3.37 - —
dms., 100 lbs.....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. cbys.....lb. 1.40 - 1.45
Cinnamon, Ceylon, 2, bls.....lb. .16½- .16¾
3, bls. .....lb. .15½- .15¾
Citral, bots., cns.....lb. 1.60 - 3.95
Citrine ointment, jars, tubes.lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .15 - .15½
Zanzibar, bls.....lb. .16 - .16¼
Clover tops, bgs.....lb. .14 - .15
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works...bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.00 - —
refd., dms., c.l., works...dm. 8.25 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .66 - .68
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls.....lb. 1.78 - —
Linoleate, paste, 6%, dms....lb. 1.31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .26 Nom.
Oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls.....lb. .18 - —
2%, bbls.....lb. .14 - —
3½%, bbls.....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..ozs. 9.75 - —
Cochineal, gray, bgs..... lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 - .39
Cocillana bark, bgs.....lb. .15 - .16
Cocoa butter, lumps, bgs., c.l..lb. .13½- .14
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls.....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz.25.00 - —
single ozs.....oz.26.00 - —
Colchicum seed, bgs.....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs.....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs.....lb. .18 - —
Colocynth pulp, bls.....lb. .31 - .34
Colombo root, bls.....lb. .14 - .15
Coltsfoot leaves, bgs.....lb. .07 - .08
Condurango bark, bgs.....lb. .08 - .09
Conium leaves, bls.....lb. .18 - .19
Copaiba, balsam, Para, cns...lb. .33 - .34
S.A., USP, cns.....lb. .35 - .36
Copper acetate, normal, bbls., c.l., works..lb. .23 - —
l.c.l., bbls.....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .15¾- .16¾
18-20%, bbls.....lb. .10¼- —
Chloride, bbls.....lb. .15 - .17
Cyanide, tech., bbls.....lb. .37 - .39
Iodide, bots.....lb. 4.97 - 5.02
Metal, electrolytic.....lb, .10½- .11
Nitrate, cryst., bbls.....lb. .15 - —
Oleate, percip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .15 - —
smaller lots, works.....lb. .15½- —
red, com'l, 50-75%, kgs., f.o.b. N.Y..lb. .19775- —
Resinate, precip., bbls.....lb. .15 - .16
Stearate, precip., bbls.....lb. .23 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., brown, bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works.....ton.16.00 -17.00
l.c.l., 25 or over, works, 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.12.00 -18.00
Copra, bgs., Pacific Coast.....lb. .0235 Nom.
Coriander seed, Morocco, bgs..lb. .06¼- .06¾
bleached, bgs. .....lb. .07½- .08
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.15 - —
ex whse.....100 lbs. 3.25 - —
Syrup, 42°, bbls., c.l.....100 lbs. 3.11 - —
43°, bbls., c.l. .....100 lbs. 3.16 - —
Cornsilk, bls.....lb. .06½- .07
Corrosive sublimate, crys., dms., 50 lbs. or more..lb. 1.30 - —
gran., powd., dms., 50 lbs. or more..lb. 1.15 - —

Brown—Dimethyl.

Cottonroot bark, bls.....lb. .13 - .14
Cottonseed hull ash, 25-30% pot-ash, bulk, dlvd..unit-ton. 1.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns.....lb. 3.10 - —
1-lb. cns.....lb. 3.25 - —
1-oz. cns.....lb. 3.60 - —
less than 5 lbs., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .25 - .26
so-called, bls. .....lb. .07 - .08
Cranesbill root, bls.....lb. .16 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .19¾- —
smaller lots, bbls.....lb. .20¼- —
kgs. .....lb. .20¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms.....gal. .28 - —
Carbonate, bots., cbys .....lb. 1.40 - 1.75
Creosote, oil, crude, tanks, works, gal. .13½- .14½
Coaltar solution, tanks, works gal. .122 - .132
refd., bbls., c.l., works...gal. .22½- —
l.c.l., works.....gal. .25 - —
tanks, works.....gal. .19 - .19⅝
Cresol, USP, dms., c.l., works.lb. .13 - —
l.c.l., same basis.....lb. .13¼- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., f.o.b., N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs..lb. .33 - —
4% rotenone prices are 4½c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs.....lb. .34 - .35
Culver's root, bls.....lb. .18 - .20
Cumin seed, Algerian, bgs....lb. .09 - .09½
Indian, bgs.....lb. .10 Nom.
Morocco, bgs.....lb. .09¼- .09½
Cutch, Philippine, bls. c.l...lb. .04 - —
Cyanamide, 21-22% N., pulv., bgs., dlvd., contra., NH₃ unit.. 1.15 - —
Cyanide-chloride, mixture, 75%, gran., dms..lb. .16 - .17
lump, dms .....lb. .14 - .15

D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls...lb. .19 - .20
Deertongue leaves, bls.....lb. .13 - .15
Degras, common, dom., bbls..lb. .07½- .08¼
English, bbls. .....lb. .07½- .08¼
neutral, dom., bbls.....lb. .10¾- .15
English, bbls. .....lb. .10¾- .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .39 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41¼- —
200 lbs., to 1,000 lbs..lb. .43 - —
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.50 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.70 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.45 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.65 - —
Potato, import, bgs.....lb. .07¾- .08¾
Tapioca, bgs., ex whse.....lb. .06 Nom.
Diamyl ether, dms., c.l., works, lb. .065 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .30 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -85.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms.....lb. .21 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms.....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .27 - —
tanks, works.....lb. .25 - —
Diethyl carbonate, comi., dms.lb. .81¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l.....lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylanilin, dms.....lb. .50 - —
Diethyleneglycol, dms., c.l., works, lb. .22 - —
l.c.l., works.....lb. .23 - .26
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Digitalis leaves, dms.....lb. .65 Nom.
Digiycol oleate, light, bbls.....lb. .31 - .34
Dillseed, recleaned, bgs.....lb. .07 - .07½
Dimethyl phthalate, dms.....lb. .21 - —
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).

Dinitrobenzene—Ethyl

Dinitrobenzene, bbls.	lb.	.16	- .18
Dinitrochlorobenzene, bbls.	lb.	.14	- .15
Dinitronaphthalene, kgs.	lb.	.35	- .39
Dinitrophenol, bbls.	lb.	.23	- .34
Dinitrotoluene, dms.	lb.	.14½	- .15½
oily, dms.	lb.	.09	- —
Diorthotoluolguanidin, dms, 2,000 lbs. or over, dlvd.	lb.	.44	- —
600-1,950 lbs., dlvd.	lb.	.46	- —
150-450 lbs., dlvd.	lb.	.47	- —
Dip oil (see Tar acid oil).			
Dipentene, dms.	gal.	.47	- .50
tanks	gal.	.41	- —
Diphenyl, bbls, c.l., works.	lb.	.15	- —
l.c.l., works.	lb.	.20	- .25
Oxide, perfume grade, cns.	lb.	.50	- .55
Diphenylamine, bbls.	lb.	.31	Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd.	lb.	.35	- —
600-1,950 lbs., dlvd.	lb.	.36	- —
150-450 lbs., dlvd.	lb.	.37	- —
Diphenylmethane, bots.	lb.	1.40	- 2.00
Disodium phosphate (see Soda phosphate, dibasic)			
Divi-divi, bgs., shipment	ton.	34.00	Nom.
Doggrass root, cut, bls.	lb.	.12	- .18
Dogwood bark, dom., bls.	lb.	.07	- .08
Jamaica, bls.	lb.	.07	- .08
Dover's powder, USP, cns.	lb.	2.75	- 2.80
Dragon's blood, mass, cs.	lb.	.65	- .85
reeds, thin, cs.	lb.	.85	- .90
Duboisine sulphate, vis.	oz.	34.50	-35.00

Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—

26 Chrome yellow 2G	lb.	.65	- .70
40 Chrome yellow R	lb.	.50	- 1.00
53 Victoria violet	lb.	.80	- 1.00
165 Lake red C	lb.	1.00	- —
176 Fast red A	lb.	.60	- .75
180 Fast red VR	lb.	1.50	- 1.65
189 Lake red R, paste	lb.	.85	- .90
189 Lake red R, powdered	lb.	3.00	- 3.10
202 Chrome blue black U	lb.	.32	- .40
204 Chrome black A	lb.	1.75	- 2.00
208 Fast red blue R	lb.	.75	- 2.00
216 Chrome red B	lb.	1.75	- 2.00
262 Cloth red 2B	lb.	.60	- .80
289 Fast cyanin 5B	lb.	.90	- 1.00
299 Chrome black F	lb.	.60	- .65
307 Fast cyanin black B	lb.	.80	- .95
326 Direct cast scarlet	lb.	2.00	- 2.25
364 Paper yellow	lb.	.83	- .90
365 Chrysophenin G	lb.	.56	- .70
394 Direct violet N	lb.	1.25	- 1.30
382 Direct scarlet B	lb.	1.50	- 1.75
387 Direct violet B	lb.	1.00	- 1.20
401 Developed black BHN	lb.	.50	- .75
406 Direct blue 2B	lb.	.25	- .30
415 Direct orange R	lb.	.60	- .70
419 Direct fast red F	lb.	.75	- .85
420 Direct brown M	lb.	1.00	- 1.10
448 Benzo purpurin 4B	lb.	.40	- .45½
495 Benzo purpurin 10B	lb.	.40	- .50
502 Direct azurin G	lb.	.75	- .80
512 Direct blue RD	lb.	.80	- 1.00
518 Direct pure blue 6B	lb.	1.10	- 1.25
520 Direct pure blue	lb.	.50	- 1.00
529 Direct fast black FF	lb.	.55	- 1.00
561 Direct black EW	lb.	.25	- .50
562 Direct black RX	lb.	.35	- .45
598 Direct green B	lb.	.75	- .80
594 Direct green G	lb.	1.00	- 1.05
606 Direct brown 2GO	lb.	.35	- 1.00
620 Direct yellow R	lb.	1.25	- 1.50
626 Acid violet	lb.	1.00	- 3.00
812 Primulin	lb.	.50	- .53
814 Direct fast yellow	lb.	2.00	- 2.25
845 Nigrosin(water soluble)	lb.	.35	- .50
1177 Indigo, 20 p.c., paste	lb.	.15	- .16
Benzo fast black L	lb.	.90	- 1.00
Sulphur black	lb.	.20	- .25
Sulphur blue	lb.	.40	- 1.00
Sulphur brown	lb.	.25	- .50
Sulphur maroon	lb.	.40	- —
Sulphur olive	lb.	.25	- .54
Sulphur tan	lb.	.30	- .40
Sulphur yellow	lb.	.20	- .44
Zambesi black	lb.	.75	- .80

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—

Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 5c. per lb. higher; f.o.b. sellers' works or warehouse)

Black:—			
865 Nigrosin derivatives	lb.	.42	- —
Blue:—			
1075 Alizarin astrol base	lb.	15.00	- —
1078 Alizarin cyanin green base	lb.	6.00	- —
729 Victoria blue	lb.	.75	- —
Browns:—			
Brown	lb.	1.15	- —
Green:—			
1078 Alizarin cyanin green	lb.	5.00	- —
.... Green	lb.	.75	- —
Orange:—			
24 Sudan I	lb.	.70	- —
.... Orange, red shade	lb.	.75	- —
Red:—			
73 Sudan II	lb.	1.05	- —
258 Sudan IV	lb.	.95	- —
749 Rhodamine B (oil pink)	lb.	2.50	- —
1060 Anthroquinone violet base	lb.	6.00	- —
680 Oil violet	lb.	.50	- —
Yellow:—			
15 Amidoazobenzene yellow	lb.	.90	- —
17 Amidoazotoluene yellow.	lb.	.75	- —
61 Yellow OB	lb.	1.40	- —

Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
864 Nigrosin	lb.	.42	- —
Blue:—			
729 Victoria blue	lb.	2.55	- —
860 Indulin	lb.	.70	- —
Brown:—			
331 Bismarck brown	lb.	1.50	- —
Green:—			
637 Malachite green base	lb.	2.00	- —
Orange:—			
20 Chrysoidin G	lb.	.95	- —
21 Chrysoidin R	lb.	.95	- —
Red:—			
677 Fuchsin, magenta base.	lb.	7.25	- —
749 Rhodamine B	lb.	4.75	- —
Yellow:—			
67 Amidoazotoluene yellow	lb.	.75	- —
655 Auramine	lb.	2.00	- —
800 Chinolin yellow SS	lb.	3.00	- —
Violet:—			
680 Methyl violet	lb.	.90	- —

Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).

Black:—			
246 Naphthol blue black S	lb.	.50	- —
865 Nigrosin	lb.	.36	- —
873 Methylene gray	lb.	1.50	- —
Blue:—			
714 Patent blue A	lb.	1.45	- —
729 Victoria blue B	lb.	2.00	- —
861 Indulin	lb.	.87	- —
909 New blue R	lb.	1.30	- —
922 Methylene blue	lb.	1.00	- —
1054 Alizarin saphirol B	lb.	1.90	- —
1160 Indigotin IA	lb.	.85	- —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—

Brown:—			
234 Resorcin brown Y	lb.	.65	- —
235 Resorcin dark brown R,	lb.	.60	- —
331 Bismarck brown G	lb.	.52	- —
332 Bismarck brown R	lb.	.37	- —
793 Phosphin	lb.	4.65	- —
Green:—			
6 Naphthol green B	lb.	1.00	- —
657 Malachite green	lb.	1.35	- —
662 Brilliant green	lb.	2.00	- —
666 Guinea green B	lb.	1.15	- —
737 Wool green S	lb.	.58	- —
924 Methylene green B	lb.	1.54	- —
1076 Alizarin cyanin green.	lb.	2.25	- —
Orange:			
10 Chrysoidin G	lb.	.40	- —
21 Chrysoidin R	lb.	.37	- —
27 Orange G	lb.	.50	- —
151 Orange T	lb.	.30	- —
161 Orange R	lb.	.34	- —
Red:—			
31 Amidonaphthol red G,	lb.	.43	- —
37 Amidonaphthol red 6B,	lb.	.68	- —
79 Ponceau R	lb.	.48	- —
88 Fast red B	lb.	1.05	- —
176 Fast red A	lb.	.54	- —
179 Azorubin	lb.	.53	- —
183 Crocein scarlet 3BX	lb.	.60	- —
185 Cochineal red A	lb.	.60	- —
252 Brilliant crocein M	lb.	.68	- —
677 Fuchsin	lb.	2.10	- —
749 Rhodamine B	lb.	3.50	- —
752 Rhodamine 6G	lb.	4.50	- —
768 Eosin G	lb.	1.50	- —
841 Safranin	lb.	1.45	- —
Violet:—			
680 Methyl violet B	lb.	.75	- —
681 Crystal violet C	lb.	1.75	- —
695 Acid violet 4BN	lb.	.88	- —

Dyes, coaltar, for stains (numbers are those of Colour Index scale):—

Yellow:—			
19 Naphthol yellow S	lb.	.32	- —
138 Metanil yellow	lb.	.53	- —
636 Fast light yellow	lb.	1.25	- —
639 Xylene light yellow	lb.	1.15	- —
640 Tartrazin	lb.	.80	- —
655 Auramine	lb.	1.27	- —

Dyes, natural (see name of article).

E

Echinacea root, bls.	lb.	.26	- .27
Egg albumen (see Albumen).			
Yolk, dom., cs.	lb.	.68	Nom.
import, cs.	lb.	.60	Nom.
Elder flowers, bright, bls.	lb.	.22	- .23
dark, bls.	lb.	.20	- .21
Elecampane root, bls.	lb.	.11	- .12
Elm bark, grinding, bls.	lb.	.11	- .12
powd., bbls., bxs.	lb.	.20	- .21
select, bndls.	lb.	.50	- .55
Emetine hydrochloride, bots.	oz.	17.00	-18.00
Ephedra, bls.	lb.	No	offers
Ephedrine, tins, 100 ozs.	oz.	5.50	- —
Hydrochloride, tins, 100 ozs.	oz.	4.40	- —
Sulphate, cryst., tins, 100 ozs.	oz.	4.40	- —
Epsom salt, tech., bgs. 100 lbs.	lb.	1.80	- —
bbls. 100 lbs.	lb.	1.90	- —
USP, cryst., dom., bgs., c.l., 100 lbs.	lb.	2.00	- —
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.25	- —
smaller lots	lb.	2.50	- —
bbls., c.l.	lb.	2.10	- —
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.35	- —
smaller lots	lb.	2.60	- —
Epsom salt, U.S.P., cryst., dom., l.c.l., kgs., c.l.	lb.	2.35	- —
l.c.l., 5,000 lbs., 1 withdrawal	lb.	2.60	- —
smaller lots	lb.	2.85	- —
dried, dom., bgs., l.c.l.	lb.	.08	- .10
Ergot, USP, cs., dms.	lb.	1.60	1.80
Eserine, bots.	oz.	42.00	- —
Salicylate, bots.	oz.	29.00	-30.00
Sulphate, bots.	oz.	30.00	- —
Ether, acetic, dms., 400 lbs.	lb.	.09	- —
cns., 35 lbs.	lb.	.13	- .14
Ethyl (see Ether, sulphuric).			
Nitrous, conc., bots., 100 lbs.,	lb.	.85	- —
Sulphuric, conc., dms., 120 lbs.	lb.	.09	- —
cns., 27 lbs.	lb.	.14	- —
synth., dms., c.l., works.	lb.	6c	- —
l.c.l., works.	lb.	.09	- —
USP, anesthesia, dms., 27 lbs.,	lb.	.36	- —
USP, 1880, dms.	lb.	.39	- .40
washed, dms.	lb.	.37	- .39
Ethyl acetate, dms., c.l., frt. alld.	lb.	.07½	- —
l.c.l., frt. alld.	lb.	.08	- —
tanks, frt. alld.	lb.	.06½	- —
anhyd., dms., c.l., frt. alld.	lb.	.08½	- —
l.c.l., frt. alld.	lb.	.09	- —
tanks, frt. alld.	lb.	.07½	- —
Acetoacetate, dms., c.l., works.	lb.	.27½	- —
l.c.l., dms., works.	lb.	.28	- —
Bromide, tech., dms.	lb.	.50	- .55
Caproate, cns.	lb.	1.00	- —
Chloride, dms.	lb.	.22	- .24
Cinnamate, cns.	lb.	3.20	- 4.00
Crotonate, dms., works.	lb.	1.00	1.20
Formate, dms.	lb.	.27	- .28
Iodide, bots.	lb.	4.85	- 4.96
Lactate, 55-gal. dms., works.	lb.	.33	- —
5-gal. dms., works.	lb.	.36	- —
Oxalate, dms.	lb.	.30	- .34
Silicate, l.c.l., dms., works.	lb.	.77	- —

MEN engaged in the efficient operation of industrial plants are today faced with an increasing number and variety of production problems which must be solved before further profits can be made.

In more and more of these cases chemical research is bringing prompt and practical solutions. Sometimes the application of a chemical method speeds up work. Again, efficiency may be improved through the use of a specially developed chemical material. Frequently laboratory research makes available an entirely unknown product that smashes cost barriers. The ways and means of the research chemist are numerous and diversified—and increasingly successful!

By working closely with production men, purchasing agents and plant technicians, Cyanamid chemists are constantly helping to keep the flow of work running smoothly . . . paving the way for production to move faster at less cost. On the right are a few Cyanamid products whose special usefulness is the result of research directed with customers' problems in mind.

Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .70 - —
100 lbs., frt. alld.....lb. .75 - —
smaller lots, works.....lb. 1.00 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichleride, dms, c.l., works, E. of Rockies, frt. alld..lb. .0645- —
West of Rockies, same basis..lb. .0595- —
Ethylene dichloride, l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- —
West of Rockies, same basis..lb. .0594- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works.....lb. .21 - .24
tanks, works .....lb. .19 - —
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
tanks, works .....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .15 - —
l.c.l., works .....lb. .19 - .23
tanks works .....lb. .17 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls..lb. .55 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .58 - .60
Eucalyptus leaves, bls.....lb. .09 - .10
Eugenol, bgs., cns.....lb. 2.10 - 2.65
Euphorbia, bls.....lb. .04 - .06

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .14½- —
smaller lots, E. works. lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .15 - —
smaller lots, E. works.lb. .15 - —
water white, cs., 1,000 lbs. or over, E. works..lb. .16 - —
smaller lots, E. works.lb. .17 - —
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.
Fir balsam, Canada, cns.....gal.16.00 -17.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures, unit-ton. No prices.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.53.00 - —
Fish scrap, menhaden, wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts ...unit-ton. 2.75 & .50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Jan shipt....ton.46.00 - —
spot .....ton.45.00 - —
Flake white, bbls., kgs.....lb. .68½- .68¾
Fleaseed, French, black, bgs..lb. .10 - .11
Indian, blonde, bgs.....lb. .10 - .11
Fluorspar, enamel, 96-98%, bgs., ton.33.00 - —
standard, gravel, washed, 85 and 5%, dom., bulk, f.o.b. Ill., Ky. mines. ton.20.00 -21.50
import, bulk, Atlantic ports, duty-paid..ton.23.00 -23.50
lump, 85 and 5, dom., bulk, f.o.b. Ill., Ky., mines...ton.21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No prices.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06½- —
dms., c.l., works.....lb. .05½- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import., bgs., c.l., ex dock.ton.23.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., divd., lb. .16 - .18

Ethylcellulose—Green

Fustic extract, cryst., bbls....lb. .22 - .28
liquid, bbls.....lb. .09½- .13
solid, dms.....lb. .17½- .19¼

G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .11 - .12
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. No prices.
plantation, bxs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10½- —
Extract, bbls.....lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, below 60 octane, tanks..gal. .07¼- —
60-65 octane, tanks....gal. .07½- .07¾
plantation, bxs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10½- —
Extract, bbls.....lb. .08½ Nom.
above 65 octane, tanks.gal. .07¾- —
California, 54-58, tanks...gal. .07½- .08½
Gulf Coast, U.S. motor, bulk, gal. .05¼- —
60-62, 390 e.p., bulk, export, gal. .05¼- —
60-62, 400 e.p., bulk, export, gal. .05¼- —
64-66, 375 e.p., bulk, export, gal. .05¼- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .05½- —
63-66 octane, tanks....gal. .05¾- .06
67-69 octane, tanks....gal. .06¼- .06¾
70-72 octane, tanks....gal. .06½- —
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .03¾- .04
third grade, tanks.....gal. .03¾- .04
63-68 octane, tanks...gal. .04½- .04¾
67-69 octane, tanks.....gal. .04¼- .04½
70-72 octane, tanks....gal. .04½- .04¾
natural, 12-lb. v. p., tanks, gal. .04¼- .04½
14-lb. v.p., tanks.....gal. .03¾- .04¼
18-lb. v.p., tanks.....gal. .03½- .03¾
22-lb. v.p., tanks.....gal. .03¼- .03¾
26-70 lb., v.p., tanks..gal. .03 - —
Pennsylvania, US motor, below 60 octane, tanks.....gal. .05¾- .06¼
60 octane, tanks.....gal. .07¾- .07¾
52-54, 450 e.p., naphtha, tanks..gal. .05¾- .06
54-56, 400 e.p., strt., run, tanks..gal. .05¾- .06¼
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .13 - .14
Gentian root, bls.....lb. .13 - .14
grd., bbls., bxs.....lb. .15 - .16
powd., bbls., bxs.....lb. .16 - .17
Geraniol, cns., dms.....lb. .67 - 3.00
Geranyl acetate, bots., dms...lb. 1.20 - 2.50
Ginger root, African, bgs.....lb. .14¾- .14¾
Cochin, lemon, bgs.....lb. .14½- .15
Jamaica, bold, bgs.....lb. .16¼- .16¾
grinding, bright, bgs....lb. .14¾- .15¼
medium, bold, bgs.....lb. .15¼- .15½
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb.10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.25
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .13 - —
l.c.l., dlvd. .....lb. .13½- —
36/58, bgs., c.l., dlvd....lb. .13½- —
l.c.l., dlvd .....lb. .14 - —
58/82, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd. .....lb. .15 - —
82/108, bgs., c.l., dlvd....lb. .15 - —
l.c.l., dlvd. .....lb. .15½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .15½- —
l.c.l., same basis.....lb. .16 - —
60/164,bgs.,c.l.,same basis.lb. .17 - —
l.c.l., same basis.....lb. .17½- —
67/192,bgs.,c.l.,same basis.lb. .18 - —
l.c.l., same basis.....lb. .18½- —
75/222, bgs., c.l., same basis, lb. .19 - —
l.c.l., same basis.....lb. .20 - —
83/251,bgs.,c.l.,same basis,lb. .20 - —
l.c.l., same basis.....lb. .21 - —
92/283,bgs.,c.l.,same basis.lb. .21 - —
l.c.l., same basis.....lb. .22 - —
102/315, bgs., c,l., same basis lb. .21½- —
l.c.l., same basis.....lb. .22½- —
113/347, bgs., c.l., same basis lb. .22½- —
l.c.l., same basis.....lb. .23½- —
125/379, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
Glue prices for barrel packing, ½c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .17½- .18
dms., extra, c.l.....lb. .15½- —
l.c.l. .....lb. .16 - —
dynamite, dms., extra, c.l....lb. .15½- —
l.c.l. .....lb. .16 - —
saponification, basis 88%, dms., returnable, divd..lb. .11 - .11¼
soaplye, basis 80%, dms., returnable, divd..lb. .10 - .10¼
yellow, distilled, dms., extra, c.l. lb. .15¾- —
l.c.l. .....lb. .15¾- —
Glycol borborate, dms.....lb. .26 - —
Phthalate, dms. .....lb. .40 - —
Stearate, dms. .....lb. .27½- —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
U.S.P. IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs..lb. .16½- .17
Golden seal root, bls.....lb. 3.60 - 3.65
powd., bxs.....lb. 3.75 - 3.80
Grains of paradise, bgs.....lb. .35 Nom.
Graphite, flake (cryst.), 90% 325 mesh, 50% graphitic carbon, bgs., c.l., works.lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
lc.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, trcs. .....lb. .04¼- .04½
White, trcs. .....lb. .06¾- .07¼
Yellow, trcs. .....lb. .04¼- .04½
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —

INDUSTRY MOVES

AS THE CHEMIST PROVES

***TANAK DF** not only shortens the time required for tanning, but improves the quality of the leather. Until a short time ago, the mechanism of the bating operation was not at all well understood by chemists and tanners alike. We have done a great deal of work in the last years with different enzymes, varying enzyme concentrations and all kinds of deliming agents. As a result, we can offer many grades of ****CUTRILIN,** specifically adapted to all types of hides and skins and to local conditions.

*****REZYL 99-4** —a phthalic glyceride resin emphasizing excellent outdoor durability—water resistance—distensibility—compatibility with basic pigments. Lacquers for automobile bodies and outdoor applications show a long period of useful life when formulated with REZYL 99-4.

RESINS combining ready solubility in oils and mineral spirits, with good drying characteristics, are of general interest to manufacturers of air drying and baking enamels. *****REZYL 803-1** meets all these requirements to a high degree. As good for a child's simple toy as for refinishing a 5-ton truck or a passenger automobile.

MINERAL ACIDS—SULPHURIC ACID, in a variety of grades from the commercial material to the relatively chemically pure "Electrolyte" (Battery Acid).

NITRIC ACID, 36°, 38°, 40° and 42° Baumé; processed to yield an acid of high uniformity and free from all but traces of impurities.

MURIATIC ACID, 18°, 20°, and 22° Baumé; a new process of manufacture yields an acid exceptionally free from impurities. Considerable quantities of *Aero Muriatic Acid are used in processes where a chemically pure Hydrochloric Acid was originally considered essential.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

*Registered U. S. Patent Office.
**Registered U. S. Patent Offfce, Pat. No. 1,946,218.
***Trade Mark of Rezyl Corporation, Registered in U. S. Patent Offices.

DiMETHYL PHTHALATE—A plasticizer for Cellulose Acetate films should be absolutely free from any trace of color, highly stable and without tendency to discolor during the aging of the films. *Aero Brand DiMethyl Phthalate meets these specifications.

DIETHYL PHTHALATE is stable, and is fast to light. It is compatible with Nitrocellulose and Cellulose Ethers, and combines to a considerable degree plasticizing effect with solvency. It is useful also in rubbing alcohol and as a fixative in perfumes.

Notes for the Tanning Industry—The use of Syntans in the tannage of heavy leathers was once considered of no practical importance. Intensive research and large scale field tests have now demonstrated that the proper application of

AMERICAN CYANAMID & CHEMICAL CORPORATION

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Green—Lead, Red

Green, chrome, C.P., blue content,
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher divd. Ala., Fla., Ga., La., (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up
5%, bbls., same basis..lb. .06 - —
6-10%, bbls., same basis..lb. .06¾- —
11-13%, bbls., same basis..lb. .07¼- —
14-16%, bbls., same basis..lb. .07½- —
17-19%, bbls., same basis..lb. .07¾- —
20-21%, bbls., same basis..lb. .08 - —
22-23%, bbls., same basis..lb. .08¼- —
24-25%, bbls., same basis..lb. .08½- —
26-27%, bbls., same basis..lb. .08¾- —
28-29%, bbls., same basis..lb. .09¼- —
30-31%, bbls., same basis..lb. .10 - —
32-33%, bbls., same basis..lb. .11¼- —
34-35%, bbls., same basis..lb. .12¼- —
36-40%, bbls., same basis..lb. .14¼- —
41-45%, bbls., same basis..lb. .16¼- —
46-50%, bbls., same basis..lb. .16¾- —
51-55%, bbls., same basis..lb. .17¼- —
56-60%, bbls., same basis..lb. .17¾- —
61-65%, bbls., same basis..lb. .18¼- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis..lb. .20¼- —
Chrome, oxide, dom., pure..bbl. .22 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .36 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Tungstated, brilliant, kgs...lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .06½- .10
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib, dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .11¾- .12
white, sorts, 1, bgs.....lb. .24 - .25
2, bgs.....lb. .22 - .23
powd., bbls.....lb. .15 - .16
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs. .....lb. .15 - .25
Camphor (see C)
Chicle, bgs.....lb. .55 - .60
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .44 - —

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis..lb. .31¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .18¼- —
4, pale bold straw, bgs., c.l., same basis..lb. .19¼- —
5, pale straw bold, bgs., c.l., same basis..lb. .15¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .14¾- —
8, light amber bold, bgs., c.l., same basis..lb. .13¼- —
9, medium light amber bold, bgs., c.l., same basis..lb. .10¼- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .10¼- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .08 - —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .07¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .05¾- —
17, pale fingers, bgs., c.l., same basis..lb. .17¼- —
18, pale straw nubs, bgs., c.l., same basis..lb. .13¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .08¾- —
21, ordinary selected nubs, c.l., same basis..lb. .07¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .07¼- —
23, dark mixed nubs bgs c.l., same basis..lb. .07¾- —
24, No. 1, ivory nubs, bgs c.l., same basis..lb. .15¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07 - —
26, pale bold chips, bgs., c.l., same basis..lb. .06¼- —
27, pale small chips, bgs., c.l., same basis..lb. .05¾- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05 - —
East India, Batu, bold scraped, bgs., c.l., same basis, lb. .05½- —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03½- —
dust, bgs., c.l., same basis..lb. .03¾- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06¾- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .05½- —
dust.,bgs.,c.l.,same basis, lb. .03¾- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Gum, copal, E.I., Singapore Rasak, bold, bgs., c.l., same basis..lb. .15¼- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust, bgs.,c.l.,same basis.lb. .03¾- —
nubs, bgs.,c.l.,same basis.lb. .10 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —
Loba A, bskts., c.l., same basis..lb. .12 - —
B,bskts.,c.l., same basis.lb. .11¾- —
C,bskts.,c.l., same basis.lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .07¾- —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .07¾- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts., c.l., same basis, lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08¾- —
MA, bskts., c.l., same basis, lb. .07¼- —
MB, bskts., c.l., same basis, lb. .06¾- —
WS, bskts., c.l., same basis, lb. .08¾- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .07¾- —
chips, pale, bskts., c.l., same basis..lb. .08¾- —
small, bskts., c.l., same basis..lb. .07¾- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs, bskts., c.l., same basis..lb. .11¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips,bgs,c.l.,same basis...lb. .10¼- —
split, bgs., c.l., same basis, lb. .13¾- —
nubs, bgs.,c.l., same basis.lb. .12¾- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .25½- —
A/D, cs., c.l., same basis.lb. .20¾- —
A/E, cs., c.l., same basis.lb. .17¾- —
B, cs., c.l., same basis...lb. .24 - —
C, cs., c.l., same basis...lb. .20¾- —
D, cs., c.l., same basis...lb. .17¾- —
dust, cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis...lb. .08¼- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore, 1, cs., c.l., same basis..lb. .21½- —
2, cs., c.l., same basis....lb. .15¾- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .13½- —
dust., cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., c.l., dlvd.....lb. .09 - —
l.c.l., dlvd, ...lb. .09¼- .09½
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .80 Nom.
powd., bbls.....lb. .85 Nom.
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs. .....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms..lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80% chips, cs., c.l., same basis..lb. .12¾- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.00 - 2.10
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .36 - .37
Olibanum, siftings, cs.....lb. .07½- .18
tears, cs. .....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis ac copal..lb. .25 - .26
Scammony, cs. .....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .24 - .25
sorts, bgs. .....lb. .11¾- .12
Talha, bgs. .....lb. .07½- .08
Thus, bbls.....280 lbs.13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .06½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.21.15 - —
Medicine Lodge, Kans., frt. equald..ton.17.00 - —
New Brighton, N. Y., frt. equald..ton.27.15 - —
Southard, Okla., frt. equald..ton.17.00 - —
Sweetwater, Tex., frt. equald..ton.21.15 - —
plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.12.50 - —
Blue Rapids, Kans., frt. equald..ton.12.50 - —
New Brighton, N. Y., frt. equald..ton.26.70 - —
Southard, Okla., frt. equald..ton.12.50 - —
Sweetwater, Tex., frt. equald..ton.12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge,Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton.12.00 - —
Import, bgs., ex dock....ton.27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.80
Hellebore,white,root,powd.,bbls.lb. .12 - .18
Helonias root, bls.....lb. .70 - .75
Hematine crystals, bbls.....lb. .18 - .54
Hemlock extract, 25% tan.,bbls.lb. .03 - .03¼
Hempseed, Manchur, bgs.....lb. .06 - .06½
Henbane leaves, bls.....lb. .19 - .20
Henna leaves, bls.....lb. .07½- .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .06½- —
normal, 96-100°., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms .....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13½- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs..oz.13.90 - —
25 ozs .....oz.16.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit-ton. 3.20 - —
Hops, dom., 1936 crop, bls....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Hydrochloride, bots., 4 ozs...oz.17.25 - —
cns., 16 ozs.....oz.17.00 - —
Sulphate, bots., 4 ozs.....oz.19.25 - —
cns., 16 oz.....oz.19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .08¾- .04
100 vols., cbys.,E.of Miss.R.lb. .19½- .20
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz.18.00 -19.00
Hyoscyamine, bots.....oz.16.00 - —
Hydrobromide, bots.....oz.15.00 - —
Sulphate, bots.....oz.15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs .....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb.32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.30 - 1.35
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .30
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08½- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.85 - 3.00
syrup, djns.....lb. .37 - .38
bots. .....lb. .52 - —
Nitrate, coml., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns. .....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.),
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate), USP, cryst., bbls., 275 lbs. lb. .04½- —
dms. 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Iron-potash oxalate, bbls. ....lb. .42 - —
kgs. .....lb. .44 - —
jars .....lb. .48 - —
Iron-soda oxalate, bxs. .....lb. .31 - —
fib., dms. .....lb. .24½- —
kgs. .....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Isopropyl alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l. .....lb. .08 - —
tanks .....lb. .06 - —

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .06 - .06½

K

Kamala, tins.....lb. .37 - .38
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w.,tanks.gal. .06¼- —
Gulf ports, p.w., bulk, export, gal. .05 - —
w.w., bulk..gal. .05½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04½- .04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04½- .04¾
42-44 w.w., tanks.....gal. .04¾- .04⅞
Pennsylvania, 45 w.w., tanks, gal. .06¼- —
46 w.w., tanks.....gal. .05¾- —
47 w.w., tanks.....gal. .06½- —
Kerosene, tankwagon:—
Atlanta .....gal. .12 - —
Boston .....gal. .08¼- —
Chicago .....gal. .10¼ - —
Cincinnati .....gal. .13½- —
Denver .....gal. .11½- —
Louisville .....gal. .10¾- —
Minneapolis .....gal. .10½- —
New Orleans.....gal. .13 - —
New York.....gal. .09 - —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city tubs.....100 lbs. 8.75 - 9.00
Middlewestern, trcs....100 lbs. 8.55 - 8.65
Neutral, trcs.....100 lbs.10.00 -10.25
Western, choice, trcs..100 lbs. 8.65 - 8.75
Compound, trcs.....100 lbs. 9.75 -10.00
Larkspur seed, bgs.....lb. .35 - .40
Laurel berries, bls.....lb .09 - .10
Leaves, Ital., bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls.lb. .35 - .40
select, bls.....lb. .50 - .55
Lead acetate, white, broken, bbls..lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, dms., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .11½- —
l.c.l., bgs, dealers, E. of Rockies..lb. .13½- —
W. of Rockies.....lb. .12½- —

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., divd.. E..lb. .06¼- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¼- —
l.c.l., divd., E.....lb. .06½- —
divd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo. .....lb. .06¾- —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.52 - —
jars .....lb. 2.40 - —
Linoleate, pale, precip., dms. lb. .19 - —
Metal (see daily quotations in market report)
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .22½- —
5 lb. cont., f.o.b. works..lb. .25½- —
Nitrate, bbls.....lb. .11 - .11⅛
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 95% or less, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
other points.....lb. .07¼- —
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
divd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo.....lb. .08¼- —
other points.....lb. .07¾- —
smaller lots, divd., Ala., etc..lb. .08½- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08¼- —
97%, Pb_3O_4, bbls., c.l., etc., tons) divd., Ala., etc., lb. .07¾- —
other points....lb. .07½- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz, etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
other points.....lb. .08 - —
smaller lots divd., Ala., etc..lb. .08¾- —
Ariz. .....lb. .09¼- —
Colo. .....lb. .09 - —
other points.....lb. .08½- —
98%, Pb_3O_4, bbls., c.l., (20 tons), divd., Ala., etc..lb. .08 - —
other points.....lb. .07¾- —
l.c.l., 5 tons, divd., Ala., etc..lb. .08¼- —
Ariz., etc.....lb. .09 - —
Colo., etc.....lb. .08¾- —
other points.....lb. .08½- —

Lead, red, dry, 98%, bbls., smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
in oil, 100-lb. kgs., agents..lb. .11¾- —
Resinate, fused, 16%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .22 - .23
Sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld..lb. .11 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .11¼- —
smaller lots.....lb. .11½- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07 - —
other points.....lb. .06¾- —
l.c.l., dlvd., Ariz., etc.lb. .07¼- —
other points.....lb. .07 - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .06½- —
other points.....lb. .06¼- —
l.c.l., dlvd. Ariz., etc...lb. .06¾- —
other points.....lb. .06½- —
in oil, 100-lb. kgs., consumers..lb. .12¾- —
dealers .....lb. .10½- —
painters .....lb. .11½- —
Lemon peel, bls.....lb. .10 - .11
Licorice extract, mass, cs....lb. .17 - .18
powd., bbls .....lb. .24 - .25
Root, bls. .....lb. .04½- .05
powd., bbls., bxs.....lb. .07 - .08
select, bndls., cs.....lb. .17 - .18
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. ....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
California, northern..ton.11.80 - —
southern .....ton.11.45 - —
Cedar Hollow, Pa..ton 8.00 - —
Chicago .....ton. 7.25 - —
Crab Orchard, Tenn.ton. 6.25 - —
Dallas, Texas.....ton. 8.50 - —
Durbin, Ohio .....ton. 6.50 - —
Eagle Mountain, Va.ton. 6.25 - —
Easton, La. .....ton. 7.00 - —
Farnams, Mass. ....ton. 7.50 - —
Gibsonburg, Ohio....ton. 7.00 - —
Hannibal, Mo. .....ton. 6.50 - —
Keystone, Ala. .....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.25 - —
Leroy, Minn. .....ton. 8.00 - —
Limedale, Ark. .....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Marble Cliff, Ohio....ton. 6.50 - —
Marblehead, Ohio....ton. 7.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich. ..ton. 7.50 - —
Mitchell, Ind. .....ton. 6.50 - —
Newala, Ala. .....ton. 6.25 - —
Petosky, Mich.....ton. 8.00 - —
Port Island, Mich....ton. 7.50 - —
Ripplemead, Va. ....ton. 6.25 - —
Riverton, Va. .....ton. 6.25 - —
Scioto, Ohio.....ton. 6.00 - —
Sheboygan, Wis. ....ton. 7.00 - —
Sherwood, Wis. ....ton. 7.50 - —
Springfield, Mo. .....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
hydrated, paper bags, f.o.b. Bellefonte, Pa..ton 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo .....ton.10.00 - —
California, northern..ton.15.30 - —
southern .....ton.13.95 - —
Cedar Hollow, Pa....ton. 8.50 - —
Chicago .....ton. 9.50 - —
Crab Orchard, Tenn.ton. 9.00 - —
Dallas, Tex.....ton.12.00 - —
Durbin, Ohio .....ton. 8.00 - —
Eagle Mountain, Va..ton. 8.50 - —
Easton, La. .....ton. 9.00 - —
Farnams, Mass. ....ton. 9.00 - —
Gibsonburg, Ohio....ton. 8.50 - —
Hannibal, Mo. .....ton. 8.50 - —
Keystone, Ala. .....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Limedale, Ark. .....ton. 9.00 - —
Longview, Ala. .....ton. 9.00 - —
Louisville, Ky. .....ton.14.50 - —
Marble Cliff, Ohio...ton. 8.00 - —
Marblehead, Ohio....ton. 9.00 - —
Martinsburg, W. Va.ton. 8.50 - —
Milltown, Ind. .....ton.12.50 - —
Mitchell, Ind. .....ton. 9.00 - —
Newala, Ala. .....ton. 9.00 - —
Pelham, Ala. .....ton. 9.00 - —
Petolsky, Mich. ....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton.12.00 - —
Ripplemead, Va. ....ton. 8.00 - —
Riverton, Va. .....ton. 9.00 - —
Scioto, Ohio.....ton. 8.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Siluria, Ala. .....ton. 9.00 - —
Springfield, Mo. ....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa...ton. 9.00 - -
Durbin, Ohio .....ton. 9.00 - —
Farnams, Mass.....ton. 9.00 - —
Gibsonburg, Ohio....ton.11.00 - —
Marble Cliff, Ohio....ton.11.00 - —
Marblehead, Ohio....ton.11.00 - —
Mitchell, Ind. .....ton. 9.00 - —
Scioto, Ohio .....ton. 9.00 - —
Sherwood, Wis. ....ton. 9.00 - —
Woodville, Ohio.....ton.11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex..lb. .07½- .08¼
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis, lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, dms., consumer, c.l., works, frt. all'd..gal. .13½- .14½
dealer, frt all'd.....gal. .13 - .16
l.c.l., consumer, frt all'd, gal. .15 - .18
dealer, frt all'd.....gal. .14 - .17
tanks, consumer, dlvd.gal. .11½- —
dealer, dlvd.....gal. .11 - —
Pacific Coast, tanks, f.o.b. Richmond or San Jose, Calif. .....gal. .10 - —
53-gal. dms., same basis, gal. .13 - —
53-gal. dms., ex whse., gal. .15 - —
Linalool, cns.....lb. 2.10 - 6.30
Linalyl acetate, cns., 25 lbs...lb. 1.70 - 6.30
Linden flowers, with leaves, bls.lb. .18 - .19
without leaves, bls.....lb. .20 - .21
Linseed cake, bgs., export....ton.31.50 - —
Meal, 32%, dom., bgs.....ton.41.50 - —
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .06½- —
other points .....lb. .06¼- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash....lb. .07 - —
Litharge, powd., bbls., 5 tons, dlvd., Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash..lb. .07½- —
Colo., Mont., N. Mex., Wyo..lb. .07¼- —
other points .....lb. .06¾- —
smaller lots, dlvd. Ala., etc. lb. .07½- —
Ariz., etc. .....lb. .08 - —
Colo., etc. .....lb. .07¾- —
other points.....lb. .07¼- —
Lithium bromide, 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, bbls., 250 lbs....lb. 1.25 - —
kgs., 100 lbs.....lb. 1.30 - —
Chloride, jars, 25 lbs.....lb. 1.65 - 1.70
Citrate, bbls., 250 lbs.....lb. 1.40 - —
fib. dms., 25 lbs.....lb. 1.45 - —
kgs., 100 lbs.....lb. 1.40 - —
Iodide, bots., 5 lbs.....lb. 4.85 - —
jars, 25 lbs.....lb. 4.70 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E. or ex whse. Pac. Cst.....lb. .05¾- —
smaller lots, same basis, lb. .06¼- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
ordinary, bgs., 20 tons, same basis..lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
bbls., 20 tons, same basis, lb. .04¾- —
smaller lots, same basis.lb. .04¾- —
titanated, bgs., 20 tons, same basis..lb. .05¾- —
smaller lots, same basis.lb. .06¼- —
bbls., 20 tons, same basis, lb. .06¼- —
smaller lots, same basis.lb. .06¾- —
Liverwort leaves, bls.....lb. .18 - .19
Lobelia herb, bls.....lb. .14 - .15
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .18 - .22
liquid, 51°, bbls.....lb. .09½- .11½
solid, bxs.....lb. .15 - .19
Sticks, Haitian, shipt.....ton.24.00 -25.00
Lovage root, dom., bls.....lb. .55 - .65
Import, bls.....lb. .35 - .37
Lupulin, N.E., tins.....lb. 1.75 - 2.00
Lycopodium, cs.....lb. 1.80 - 1.35

M

Mace, Banda, cs.....lb. .52 - .54
Batavia, cs, ...lb. .45 - .46
Siauw, 1, cs. .....lb. .51 - .52
Madder, Dutch, bgs. .....lb. .22 - .25
Magnesia arsenate, cs., dms..lb. .18 - .20
Calcined, dom., four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila..lb. .27 - —
1,000-10,000 lbs., same basis..lb. .28½- —
less than 1,000 lbs., same basis..lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila.....lb. .28 - —
1-lb. pkgs., same basis.lb. .38 - —
light, bbls., same basis..lb. .23 - —
1-lb. tins, same basis.lb. .33 - —
USP, heavy, bbls., same basis lb. .30 - —
1-lb. pkgs., same basis.lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis..lb. .30 - —
calcined, USP, import., heavy, pharm., bbls..lb. .50 - —
light, extra, bbls....lb. .36 - .40
standard, bbls.....lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l..lb. .06¼- —
l.c.l. .....lb. .07 - —
bbls., c.l. .....lb. .07¼- —
l.c.l. .....lb. .08 - —
kgs., c.l. .....lb. .06¾- —
l.c.l. .....lb. .09¼- —
Zone 2, bgs., c.l.....lb. .06 - —
l.c.l. .....lb. .06½- —
bbls., c.l. .....lb. .07 - —
l.c.l. .....lb. .07¼- —
kgs., c.l. .....lb. .06½- —
l.c.l. .....lb. .09 - —
USP, Zone 1, bbls., c.l.....lb. .06¼- —
l.c.l. .....lb. .09 - —
kgs., c.l. .....lb. .09¾- —
l.c.l. .....lb. .10½- —
Zone 2, works, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
kgs., c.l. .....lb. .09½- —
l.c.l. .....lb. .10 - —
Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full frt alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store-door. Zone 2:—Balance of U. S.
Chloride, flake, dom., bbls., works..ton.39.00 -42.00
Hypophosphite, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works.lb. 1.00 - 1.95
Silicate (see Talc)
Silicofluoride, bbls.....lb. .09½- .10½
Stearate, bbls., ctns., c.l.....lb. .21 - —
c.l.....lb. .21 - —
1 ton .....lb. .22 - —
1,000-2,000 lbs. .....lb. .23 - —
smaller lots .....lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls.ton.60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash....ton.25.00 - —
Malva flowers, black, bls....lb. .40 - .43
Blue, bls. .....lb. .45 - .50
Leaves, bls.....lb. .12 - .18
Manaca root, bls.....lb. .20 - .21
Mandrake root, bls.....lb. .18 - .19
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .16 - .16
Carbonate, bbls.....lb. .21 - .22
Chloride, bbls.....lb. .09 - —
Dioxide, Caucasian, 80-90%, bbls., c.l., works..ton.66.50 - —
l.c.l., 5 tons, works..ton.69.50 - —
smaller lots, works.ton.74.50 - —
burlap bgs., c.l., works.ton.64.50 - —
l.c.l., 5 tons, works..ton.67.50 - —
smaller lots, works.ton.72.50 - —
paper bgs., c.l., works.ton.62.50 - —
l.c.l., 5 tons, works.ton.65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb lots.....lb. 2.61 - —
smaller lots.....lb. 2.71 - —
cns., 25 lbs.....lb. 2.83 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots.....lb. .71 - —
cns., 25 lbs.....lb. .81 - —
Hydrate, bbls., dlvd.....lb. .52 - —
Iodide, bots., 5 lbs.....lb. 5.25 - —
jars, 25 lbs.....lb. 5.10 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls..lb. .19 - —
Manganese, ore, 50-52%, basis, bbls., c.l., Atl. ports.. unit-ton. .12 - .13
Resinate, fused, 8½%, bbls...lb. .08¼- .08½
precip., dms.....lb. .12 - —
Sulphate, anhyd., bbls., works, lb. .07 - .07½
cryst., 65% $MnSO_4$, bgs., c.l., dlvd. South..ton.48.75 - —
l.c.l., bgs. .....ton,55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works...lb. .08½- —
smaller lots, works..lb. .04 - —
Mangrove bark, bgs., shipt..ton.25.00 -25.50
Manna flake, large, cs.....lb. .37 - .38
small, cs.....lb. .20 - .22
Mannitol, pure, cryst., cs., works. lb. 1.45 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, bbls.....lb. .17 - .17½
Tunisan, bls. .....lb. .16¾- .17
Matico leaves, bls.....lb. .28 - .30
Menthol, U.S.P., natural, cs..lb. 3.15 - 3.25
synthetic, tech., cs.....lb. 2.25 - —
U.S.P., cs. .....lb. 3.00 - —
liquid, dms., 40 lbs. ....lb. 1.60 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots .....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .....lb. .87 - —
25 lbs. .....lb. .89 - —
50%, pails, 50 lbs.....lb. 1.26 - —
25 lbs, ...lb. 1.28 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs.....lb. 1.81 - —
fib., dms., 100 lbs.....lb. 1.68 - —
jars, 25 lbs.....lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs. lb. 3.67 - —
cns., 25 lbs.....lb. 3.55 - —
fib., dms., 100 lbs.....lb. 3.55 - —
yellow, bls., 5 lbs.....lb. 3.67 - —
cns., 25 lbs.....lb. 3.65 - —
fib., dms., 100 lbs.....lb. 3.65 - —
Nitrate ointment (see Citrine ointment).
Oxide red, N.F. (see Red precipitate).
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl....lb. 1.89 - —
USP, fib. dms., 50 lbs. or more..lb. 1.91 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs.....lb. 1.10 - 1.12
Mesityl oxide, cns., works.....lb. .25½- .27½
dms., c.l., works.....lb. .21 - —
l.c.l., works.....lb. .21½- —
tanks, works.....lb. .20 - —
Metal leaf, pkgs. of 25 books (500 leaves), aluminum, 5½x5½ in..pkg. 1.50 - 1.75
Composition, 5½x5½ in.pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in.pkg.14.25 -14.75
3⅜x3⅜ in.....pkg.15.50 -16.50
4x4 in.....pkg.18.50 -19.00
3⅜x5⅛ in.....pkg.21.50 -22.00
3⅞x5⅛ in.....pkg.23.50 -24.00
Silver, 3⅜x3⅜ in.....pkg. 2.25 - 2.35
Metanitroanilin, kgs.....lb. .67 Nom.
Metanitroparatoluidin, bbls....lb. 1.45 - —
Metaphenylenediamine, kgs....lb. .80 - —
Metatoluylenedaimine, kgs....lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies..gal. .36 - —
tanks, frt. alld., E. of Rockies..gal. .30 - —
Methanol, denat., grade, prices on Pacific Coast are 4c. per gal. higher.
pure, nat'l or synth., dms., c.l., Zone 1, frt. all..gal. .38 - —
2, frt. alld.....gal. .41 - —
3, frt. alld.....gal. .42 - —
4, frt. alld.....gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .40½- —
2, frt. alld. or dlvd..gal. .47 - —
3, frt. alld. or dlvd..gal. .44½- —
4, frt. alld. or dlvd..gal. .60 - —
tanks, Zone 1, frt. alld.gal. .33 - —
2, frt. alld.....gal. .35½- —
3, frt. alld.....gal. .36½- —
4, frt. alld.....gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 97-99%, dms., c.l.; dlvd..lb. .08 - —
55-gal. non-return dms., dlvd. lb. .08 - —
5-10-gal. cont., works....lb. .11 - —
tanks, delvd.....lb. .07 - —
tech., dms., c.l., dlvd.....lb. .07½- —
55-gal. non-return. dms. dlvd..lb. .08 - —
5-10-gal. cont., works....lb. .11 - —
tanks, delvd.....lb. .06½- —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Methyl acetone, nat., dms., c.l., contracts, Zone 1..gal. .34½- —
2. .....gal. .37½- —
3. .....gal. .38½- —
4. .....gal. .40½- —
tanks, contracts, Zone 1.gal. .28½- —
2 .....gal. .31 - —
3 .....gal. .32 - —
4 .....gal. .32½- —
Methyl acetone, natural, prices are quoted for direct shipment from refinery f.o.b. shipping point, freight allowed to destination; barrell packing, 2½c. per gal. more, in all brackets. The sale zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies..gal. .42 - —
2, frt. alld. E. of Rockies, gal. .45 - —
3, Pacific Coast.....gal. .46 - —
l.c.l., Zone 1, frt. alld, E. of Rockies..gal. .44½- —
2, frt., alld. E. of Rockies..gal. .51 - —
3, Pacific Coast.....gal. .48½- —
tanks, Zone 1, frt. alld. E. of Rockies..gal. .36 - —
2, ft. alld. E. of Rockies, gal. .38¼- —
3, Pacific Coast.....gal. .30½- —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., Seattle, Wash., Alaska, Hawaii; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Alcohol (see Methanol).
Methyl. anthranilate, bots.....lb. 2.10 - 2.70
Benzoate, cns., 25 lbs.....lb. .70 - 1.20
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 499 lbs., cyl., mach. mfrs. and jobbers..lb. .80 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride prices are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 130-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices,
Cinnamate, bots. .....lb. 2.45 - 3.75
Formate, dms.....lb. .35 - .36
Iodide, bots., jars.....lb. 5.80 - 8.85
Salicylate, dms.....lb. .40 - .43
cns. .....lb. .42 - .45
Violet toner, bbls.....lb. .36 - —
permanent, bbls. .....lb. .80 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts.lb. .11½- —
l.c.l., same terms.....lb. .12 - —
tanks, same terms.....lb. .10½- —
Methylene blue, medcl., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs. .....lb. 2.35 - —
Chloride, dms., f.o.b. works, lb. .18 - .22
Methylheptenone, bots. .....lb. 2.45 - 3.00
Methylheptin carbonate, bots..lb.23.00 -44.00
Methylhexyl ketone, dms., tech., wks..lb. .60 - —
Methylisobutyl ketone, dms., c.l., wks..lb. .06½- —
l.c.l., wks.....lb. .07 - —
tanks, wks.....lb. .05½- —
Methylnaphtyl ketone, cryst., bots..lb. 2.10 - 2.25
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l.....lb. .16 - —
l.c.l. .....lb. .20 - —
tanks .....lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton,11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers, extra, c.l., same basis..ton.18.00 -
l.c.l., same basis.....ton.15.00 - —
325 mesh, containers extra, c.l., same basis..ton.18.00 - —
l.c.l., same basis.....ton.20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs.,c.l., works.ton.35.00 - —
l.c.l. works.....ton.42.75 - —
second grade, bgs., c.l., works..ton.33.00 - —
l.c.l., works.....ton.41.25 - —
250, 100 mesh, bgs., c.l., works..ton.40.00 -50.00
l.c.l., works.....ton.50.00 -60.00
second grade, bgs., c.l., works..ton.28.90 -30.00
l.c.l., works.....ton.29.90 -47.50
200, 140 mesh, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
roofing, bgs., c.l., works..ton.23.50 -30.00
l.c.l., works.....ton.36.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., dlvd. E....lb. .04¼- —
l.c.l., works.....lb. .04¼- —
water, bgs., c.l., dlvd. E..lb. .04 - —
l.c.l., works.....lb. .04 - —
paper, wall or coated bgs., c.l., frt. alld., E..lb. .03¾- —
l.c.l., 2,000 lbs., frt. all., E..lb. .04¼- —
smaller lots, frt. alld., E..lb. .04¾- —
rubber, bgs., c.l., frt. alld. E. lb. .03½- —
l.c.l., 2,000 lbs., ft., alld., E..lb. .04 - —
smaller lots, frt. alld., E..lb. .04¼- —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller, bbls., c.l..lb. .08 - —
l.c.l. .....lb. .09 - —
spray, bbls., c.l.....lb. .09 - —
l.c.l. .....lb. .10 - —
unskimmed, roller, bbls., c.l..lb. .21 - —
l.c.l. .....lb. .21½- —
spray, bbls., c.l.....lb. .21 - —
l.c.l. .....lb. .21½- —
Millet seed, yellow, bgs.....lb. .02¼- .03½
hulled, bgs.....lb. .05½- .06
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks..gal. .07 - —
New Orleans.....gal. .06½- —
Molybdate orange (see Orange, molybdate).
Molydenum metal, kgs., 99% powd..lb. No Prices.
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works.....lb. .55 - —
Monobutylamine dms., l.c.l., works..lb. .65 - —
Monochlorobenzene, dms.....lb. .06 - .06¼
Monoethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., dms.....lb. .27 - —
tanks .....lb. .25 - —
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Mullein flowers, cns.....lb. .85 - .90
Leaves, bls.....lb. .07 - .08
Musk, nat., Tonquin, grained, bots..oz.21.00 -22.00
pods, caddies, 20 ozs.....oz.19.00 -21.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.20 - —
1 lb.....lb. 4.35 - —
Ketone, cns., 100 lbs. or more, lb. 4.05 - —
5 lbs. to 75 lbs.....lb. 4.35 - —
1 lb.....lb. 4.50 - —
Xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.40 - —

Musk Root—Oil, Lard

Musk root, bls.	lb.	.16 - .17
Mustard seed, Bombay, brown, bgs.	lb.	.06 - .06½
California, brown, bgs.	lb.	.07½- .07¾
yellow, bgs.	lb.	No stocks.
Chinese, yellow, bgs.	lb.	.05¾- .06¼
Danish, yellow, bgs.	lb.	.08¼- .08¾
Dutch, yellow, bgs.	lb.	.08 - .08½
English, yellow, bgs.	lb.	.08¼- .08¾
Hungarian, yellow, bgs.	lb.	.07¾- .07¾
Roumanian, yellow, bgs.	lb.	.05¾- .06¼
Myrobalans, J1, bgs., shipt.	ton.	30.00 - —
J2, bgs., shipt.	ton.	22.50 - —
R2, bgs., shipt.	ton.	22.00 - —
Extract, liquid, 25%, bbls.	lb.	.04½- .05¼

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).
Solvent (see S).

Naphthalene, crude, dom., 74 deg., bgs., c.l., works	100 lbs.	2.60 - —
bbls., works	100 lbs.	2.85 - —
l.c.l., bgs., works	100 lbs.	2.85 - —
bbls., works	100 lbs.	3.10 - —
78 deg., bgs., c.l., works	100 lbs.	3.10 - —
bbls., works	100 lbs.	3.35 - —
l.c.l., bgs, works	100 lbs.	3.35 - —
bbls., works	100 lbs.	3.60 - —
Import, bgs., Atl. ports,	100 lbs.	2.20 - 2.25
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works	lb.	.07¼- —
jobbers, cs., same basis	lb.	.07¼- —
Naphthalene, rfd., balls or flakes, pkgs. (16 oz.), same basis,	lb.	.08 - —
(12 oz.) same basis	pkg.	.06¼- —
chipped, crushed, bbls., same basis	lb.	.06½- —
rice, cryst., powd., bbls., same basis	lb.	.07¼- —
Nerolin, cryst., cns.	lb.	1.25 - 1.35
Nickel carbonate, bbls.	lb.	.36 - .37½
Chloride, bbls.	lb.	.18 - .20
Oxide, black, bbls.	lb.	.35 - .38
Salt, double, bbls.	lb.	.13 - .13½
single, bbls.	lb.	.13 - .13⅝
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.76 - —
10-lb. tins	lb.	.86½- —
Nitercake, bulk, works	ton.	16.00 - —
Nitrobenzene, dbl. dist., dms., l.c.l.	lb.	.08 - —
l.c.l.	lb.	.09 - —
tanks	lb.	.07½- —
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works	lb.	.28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works	lb.	.29 - —
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works	lb.	.22 - —
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls.	lb.	.26 - —
lacquer, 20-30 and 60-80 sec. vis., bbls., works	lb.	.29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports	unit-ton.	1.04 - —
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd.	unit-ton.	2.25 - —
Chemical, Ill.	unit-ton.	2.25 - —
East Coast producing points.	unit-ton.	2.50 - —
import., bgs., c.i.f. Atlantic ports, shipt.	unit-ton.	2.55 - —
Nitronaphthalene, bbls.	lb.	.24 - .26
Nitrotoluene, mixed, dms.	lb.	.10½- .11
Nutgalls, Aleppo, bgs., cs.	lb.	No prices
Chinese, shipmt., cs.	lb.	No prices
Extract (see Gall extract).		
Nutmegs, 80s, bgs., cs.	lb.	.19½- .19¾
110s, bgs., cs.	lb.	.17 - .17½
West Indian,, bgs.	lb.	.13 - .13½
Nux vomica, bls.	lb.	.05½- .06
powd., bbls., bxs.	lb.	.06 - .07

O

Oakbark extract, 25% tan., bbls., c.l., works	lb.	.03¼- —
l.c.l., bbls., works	lb.	.03¼- —
Ocher (see Yellow).		
Octanes, 100-140° C., mixed, dms., c.l., G.3.	gal.	.13 - —
l.c.l., G.3.	gal.	.15 - —
tanks, G.3.	gal.	.10½- —
Octyl acetate, dms., c.l., works.	lb.	.16 - —
l.c.l., works	lb.	.17 - —
tanks, works	lb.	.15 - —
Oil, almond, bitter, artif. (see Benzaldehyde).		
natural, bots.	lb.	2.25 - 2.75
s.p.a., bots.	lb.	2.00 - 2.50
sweet, true, exp., cns.	lb.	.63 - .65
Amber, crude, cns.	lb.	.16 - .17
ref'd. cns.	lb.	.52 - .53
Amyris, cns.	lb.	3.00 - 3.25
Angelica root, bots.	lb.	64.00 75.00
Seed, bots.	lb.	70.00 -80.00
Anilin (see A).		
Anise, U.S.P., cns., dms.	lb.	1.25 - 1.30
Apricot kernel, cns.	lb.	.80 - .81
Babassu, tanks.	lb.	.06¾- .06⅞
Bay, W. I., cns.	lb.	1.35 - 1.50
Bergamot, artif., cns.	lb.	1.25 - 1.30
natural, coppers	lb.	4.00 - 4.10
Betula (see Oil, sweet birch).		
Birch (see Oil, sweet birch).		
Birch tar, crude, dms.	lb.	.14 - .17
rectif'd., cns.	lb.	.70 - .75
Bois de rose, Brazil, cans.	lb.	1.55 - 1.60
Cayenne, cns.	lb.	1.50 - 1.75
Cade, USP IX (see Oil, juniper tar).		
Cajeput, tech., dms.	lb.	.55 - .60
USP IX, cns.	lb.	.66 - .72
Calamus, cns.	lb.	5.50 - 5.75
Camphor, sassafrassy, cns.	lb.	.20 - .21
dms.	lb.	.17 - .18
white, cns.	lb.	.20 - .21
dms.	lb.	.17 - .18
Cananga, native, cns.	lb.	1.50 - 1.65
rectified, cns.	lb.	2.15 - 2.75
Capsicum (oleoresin), USP VIII, cns.	lb.	2.00 - 2.25
Caraway, USP, cns.	lb.	2.10 - 2.25
Cardamom, bots.	lb.	20.00 -38.00
Cassia, U.S.P., cns., dms.	lb.	1.20 - 1.25
Castor, blown, one-way dms., c.l.	lb.	.12¼- —
l.c.l.	lb.	.13 - —
medicinal, bbls., c.l.	lb.	.10¾- —
l.c.l.	lb.	.11½- —
cns. (1-gal). l.c.l.	lb.	.14½- —
dms. (returnable), c.l.	lb.	.10½- —
l.c.l.	lb.	.11½- —
(5-gal.), l.c.l.	lb.	.12½- —
tanks	lb.	.10 - —
No. 3, bbls., c.l.	lb.	.10¼- —
l.c.l.	lb.	.11 - —
dms. (returnable), c.l.	lb.	.10 - —
l.c.l.	lb.	.10¾- —
tanks	lb.	.09½- —

Castor oil, med. and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.

Castor, sulphonated, 50% (48% fat), dms., c.l.	lb.	.08 - —
l.c.l.	lb.	.08½- —
75% (63% fat), dms., c.l.	lb.	.11½- —
l.c.l.	lb.	.12 - —
80% (68% fat), dms., c.l.	lb.	.12½- —
l.c.l.	lb.	.13 - —
Cedarleaf, cns.	lb.	.85 - 1.15
dms.	lb.	.80 - 1.10
Cedarwood, Oregon, cns., dms.,	lb.	.28 - .80
Southern, cns., dms.	lb.	.24 - .26
Celery, bots.	lb.	8.75 -14.00
Chaulmoogra, USP, cns., 500 lbs.	lb.	.90 - —
25 lbs.	lb.	1.00 - —
Chinawood, dms., Atlantic Cst.	lb.	.15¼- .16
tanks	lb.	.15½Nom.
Cinnamon, Ceylon, bots.	lb.	8.00 -22.00
Seychelle, bots.	lb.	6.50 - 7.50
Citronella, Ceylon, cns.	lb.	.42 - .44
dms.	lb.	.40 - .42
Java, dms.	lb.	.45 - .48
Clove, makers, U.S.P., cns.	lb.	1.07 - 1.12
dms.	lb.	1.05 - 1.10
Coconut, Manila, crude, tanks,	lb.	.04½- —
Pac. Cst.	lb.	.03¾- —
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.09½- —
l.c.l.	lb.	.10 - —
tanks	lb.	.09 - —
Cod, Newfoundland, tanked,	bbls.	.gal. .52 Nom.
Norwegian, shipt.,	bbls.	.gal. .38 - .39
Codliver, med., USP, Norwegian,	bbls.	.bbl. 27.50 -28.50
Coriander, bots.	bots.	23.00 -24.00
Corn, crude, tanks, works.	lb.	.06⅝- .06¾
refd., bbls.	lb.	.09 - .09⅛
Cottonseed, dom., cooking, bbls.,	lb.	.08⅝- —
salad, bbls.	lb.	.08¾- —
import., Brazilian, semi-refd. dms.	lb.	.05 Nom.
British, semi-refd., dms.	lb.	.05⅝ Nom.
Creosote (see C).		
Croton, USP, cns.	lb.	1.30 - 1.35
Cubeb, USP cns.	lb.	2.85 - 3.10
Crude (see Petroleum, crude).		
Cumin, bots.	lb.	8.00 - 9.00
Cypress, dom., bots.	lb.	5.25 - 5.30
import., cns.	lb.	12.00 -12.25
Degras (see D)		
Diesel, Bayonne, bulk	bbl.	2.20 - —
California, 27 plus, bulk.	bbl.	1.00 - 1.25
Dill seed, bots.	lb.	3.00 - 3.75
Weed, bots.	lb.	3.85 - 4.10
Dip (See D):—		
Erigeron, cns.	lb.	2.40 - 2.50
Eucalyptus, cns.	lb.	.44 - .46
dms.	lb.	.42 - .44
Fennel, sweet, cns.	lb.	1.20 - 1.30
Fuel, bunker, California, tide-water.	bbl.	1.05 - 1.20
Gulf Coast.	bbl.	.95 - 1.00
Louisiana - Arkansas, 10-14,	bbl.	.80 - .85
N. Y. and N. J. terminals:—		
Monday	bbl.	1.25 - —
Tuesday	bbl.	1.25 - —
Wednesday	bbl.	1.25 - —
Thursday	bbl.	1.25 - —
Friday	bbl.	1.25 - —
Saturday	bbl.	1.25 - —
North Texas, 18-22.	bbl.	.80 - .85
24-28, zero cold test.	bbl.	.95 - 1.05
Oklahoma, 18-22.	bbl.	.85 - .90
24-28, zero cold test.	bbl.	1.07½- 1.12½
24-28, 15 and above.	bbl.	.90 - .95
Pennsylvania, 36-40.	gal.	.04½- .04⅝
Furnace, Bayonne, 1, bulk, refinery.	gal.	.06 - —
2, bulk, same basis.	gal.	.05½- —
4, bulk, same basis.	gal.	.05¼- —
Louisiana - Arkansas, 32 - 36, light straw.	gal.	.03⅝- .04
Oklahoma, 28-30.	gal.	.03½- .03½
32-36	gal.	.03½- .03¾
36-38	gal.	.03⅝- .03⅞
38-40, straw.	gal.	.03⅝- .04
38-40 zero, 60 e.p.	gal.	.03⅝- .04
Fusel (see F).		
Gas, Bayonne, bulk.	gal.	.04⅜- —
Gulf Coast, bulk.	gal.	.03⅝- —
North Texas, bulk.	gal.	.03 - —
Oklahoma, bulk.	gal.	.03½- —
Gaultheria (see Oil, wintergreen leaf).		
Geranium, Algerian, rose, cns.	lb.	4.00 - 4.75
Bourbon, cns.	lb.	3.75 - 4.25
Turkish (see Palmarosa).		
Grapefruit, cns.	lb.	2.00 - 2.25
Ginger, dist., bots.	lb.	7.75 - 8.00
Gualac wood, concrete, bots.	lb.	3.10 - 3.15
Haarlem, import, bots.	gross.	3.25 - 3.35
Halibut-liver, dms	1,000 A unit-gal.	.75 - 1.00
Hemlock, cns.	lb.	1.05 - 1.10
Juniper berry, USP, cns.	lb.	1.20 - 1.75
Wood, tech., cns.	lb.	.45 - —
Juniper tar, U.S.P.XI, 1,000 lb. dms.	lb.	.40 - .45
cns.	lb.	.45 - .50
Lard, common, 1, bbls	lb.	.08¾- —
2, bbls.	lb.	.08½- —
extra, bbls.	lb.	.10¾- —
1, bbls.	lb.	.09¼- —

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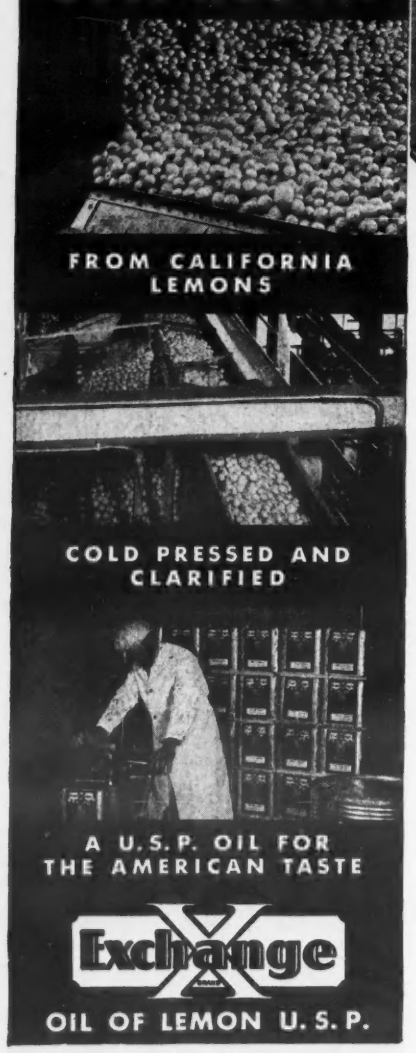
as all other Lemon Oils Combined!

Because...



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Producing Plant: EXCHANGE LEMON PRODUCTS COMPANY, Corona, California

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Oil, lard, winter, strained, extra bbls...lb. .11 - —
prime burning, bbls.....lb. .12½- —
prime, ed., bbls.....lb. .12⅝- —
ined., bbls.....lb. .11⅝- —
Laurel, bots......lb. 6.50 - 6.75
Lavandin, cns. 25 lbs... lb. 2.25 - —
Lavender flower, French, USP, 50% ester, cns....lb. 5.50 - 5.60
USP, 38-42% ester, cns..lb. 4.80 - 4.90
XI, 35% ester, cns.....lb. 4.00 - 4.50
XI, 30% ester, cns.....lb. 2.80 - 3.00
IX, 30% ester, cns.....lb. 2.65 - 2.75
VIII, 30% ester, cns....lb. 2.25 - 2.35
garden, cns.....lb. .42 - .45
spike, Spanish, tech., cns..lb. 1.05 - 1.10
dms .....lb. .95 - 1.10
Lemon, Calif., cns.....lb. 2.50 - —
Messina, coppers, cns.....lb. 2.65 - 3.25
Lemongrass, native, cns., dms., lb. .42 - .43
Lime, dist., cans.....lb. 5.40 - 6.00
expressed, cans.....lb. 8.75 - 9.25
Linaloe wood, cns.....lb. 1.30 - 1.40
Linseed, boiled, bbls., c.l....lb. .1060- —
l.c.l., 5 or more.....lb. .1100- —
less than 5.....lb. .1140- .1160
tanks .....lb. .1000- —
double boiled, bbls., less than 5-lbs. .1160- .1180
raw, bbls., c.l.....lb. .1020- —
l.c.l., 5 or more.....lb. .1060- —
less than 5.....lb. .1100- —
tanks .....lb. .0960- —
Lovage, bots......lb. 41.25 -42.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—
California, green, 70, 80, 100, vis., dms..gal. .20 - —
140 vis., dms. ....gal. .25 - —
green, pale, 750, 900 vis., dms..gal. .26 - —
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms..gal. .26 - —
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks..gal. .18½- —
15-25 pour, tanks.gal. .17½- —
150-160 D, color 4½, 0-10 pour, tanks..gal. .20 - —
15-25 pour, tanks.gal. .19 - —
150-160 E, color 5½, 15-25 pour, tanks..gal. .18½- —
190-200 D, color 4½, 15-25 pour, tanks..gal. .23 - —
200-210 E, 15-25 pour, tanks..gal. .22 - —
neutrals, 0-10 pour, 150 vis., 3 color, tanks..gal. .13 - —
180 vis., 3 color, tanks, gal. .14 - —
4 color, tanks....gal. .13½- —
200 vis., 3 color, tanks, gal. .14½- —
4 color, tanks....gal. .14 - —
250 vis., 3 color, tanks, gal. .15½- —
4 color, tanks....gal. .15 - —
280 vis., 3 color, tanks, gal. .16½- —
4 color, tanks....gal. .16 - —
300 vis., 3½, color, tanks..gal. .17 - —
350 vis., same basis.gal. .17½- —
400 vis., same basis.gal. .18 - —
500 vis., same basis.gal. .18½- —
600 vis., same basis.gal. .19 - —
15-25 pour prices are ½c. per gallon higher than zero to 10° pour
Penn., bright, 600 cold test, 10-40 pour, tanks...gal. .20 - —
10-15 pour, tanks..gal. .21 - —
Oil, lubricating, at rfy., Penna., cylinder, 600 fire, tanks, gal. .12 - —
600 flash, tanks.....gal. .16 - —
630 flash, tanks.....gal. .19 - —
635 fire, tanks.....gal. .13½- —
650 fire, tanks.....gal. .16 - —
Warren, E, amber, tanks, gal. .17 - —
neutral, 150 vis., 3 color, tanks..gal. .24 - —
180 vis.,3 color,tanks.gal. .26 - —
200 vis.,2 color,tanks.gal. .28½- —
spot, Penna., bright, bbls., c.l., f.a.s..gal. .28 - —
unfiltered, 600 s.r....bbls. f.a.s..gal. .22½- —
600 flash, s.r., bbls., c.l., gal. .25½- —
630 s.r., bbls., c.l., f.a.s. gal. .25 - —
Warren, E, bbls., c.l.,f.a.s. gal. .25½- —
smaller lots, f.o.b..gal. .27½- —
Mace, dist., cns.. dms.....lb. 1.25 - 1.30
Mandarin, superior, coppers..lb. 7.50 - 7.75
Menhaden, crude, tanks, f.o.b. Balto..gal. .37½ Nom.
refd., alkali, dms.....lb. .0800- .0820
tanks .....lb. .0740- —
blown, dms.....lb. .0800- .0820
kettle-boiled, dms.....lb. .0900- .0920
tight pressed, dms.....lb. .0740- .0760
tanks .....lb. .0670- —
Mineral, white (see Oil, white mineral)
Mustard, artif., USP, cns...lb. 1.90 - 2.00
dist., natural, bots.....lb. 8.50 - 9.00
expressed, bbls.....lb. .75 - .80
Neatsfoot, cold test, bbls....lb. .17½- —
extra, bbls. .....lb. .09½- —
1, bbls. .....lb. .09 - —
pure, bbls. .....lb. .11¾- —
prime, bbls. .....lb. .11 - —
sulphonated, common, 25% moisture, dms..lb. .10½- —
Neroli, bots......lb. 115.00 -140.00
Nutmeg, USP, cns., dms.....lb. 1.25 - 1.30
Oiticica, dms. .....lb. .12¾- .13
Oleo, 1, bbls. .....lb. .10½- —
2, bbls. .....lb. .10 - —
Olibanum, bots......lb. 5.00 - 5.25
Olive, denat., bbls......gal. 1.15 - 1.20
edible, bbls......gal. 2.35 Nom.
foots, bbls......lb. .09¾- .09⅞
sulphonated, 50% (43% fat), dms., c.l..lb. .12 - —
l.c.l. .....lb. .12½- —
75% (63% fat), dms., c.l..lb. .15½- —
l.c.l. .....lb. .16 - —
80% (68% fat), dms., c.l..lb. .16½- —
l.c.l. .....lb. .17 - —
Orange, sweet, dist., cs.....lb. .90 - —
expressed, African, cns., dms..lb. 1.50 - 1.55
Calif., cns......lb. 1.75 - —
Florida, cns......lb. 1.75 - —
Messina, USP, coppers..lb. 2.25 - 3.00
West India, cns......lb. 1.95 - 2.00
Origanum, Spanish, cns......lb. .90 - 1.60
Orris, Florentine, concrete, extra strong, bots..os. 5.25 - 5.50
Palm, Niger, cks......lb. .04 Nom.
shipment .....lb. .0350 Nom.
softs, 12½%, bulk shipt....lb. .0365 Nom.
20%, bulk, shipt......lb. .0350 Nom.
Sumatra, shipment, bulk...lb. .0375 Nom.
Palmarosa, cns......lb. 2.40 - 2.60
Palmkernel, bulk, shipt......lb. .04½ Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. 3..gal. .05¼- —
330° flash, 70-80 vis., tanks, G. 3..gal. .05½- —
80-85 vis., bbls., extra, Ind. refy gal. .12 - —
350° flash, 100-105 vis., bbls., extra, Ind. refy..gal. .14 - —
360° flash, 100-110 vis., tanks, G. 3..gal. .05⅝- —
Oil, Patchouli, bots., cns.....lb. 5.00 - 8.50
Peanut, crude, dom., tanks, works..lb. .06⅝ Nom.
refd., edible, bbls......lb. .10 Nom.
Pennyroyal, dom., cns.....lb. 1.40 - 1.45
import. cns.....lb. 1.40 - 1.50
Peppermint, natural, cns., dms, redist., USP, cns., dms....lb. 2.15 - 2.40
Perilla, dms. .....lb. 2.35 - 2.60
tanks .....lb. .11½- .11⅝
Petitgrain, Paraguay, cns....lb. .11 - —
Pimento berry, cns.....lb. 1.10 - 1.25
leaf, cns.....lb. 3.65 - 7.50
Pine, dest.-dist., straw-color, dms., dlvd., E. ports..gal. .52 - .55
steam-dist., dms.....gal. .59 - —
tanks .....gal. .54 - —
Pineneedle, Siberian, cns....lb. 2.40 - 2.50
Putty, bbls., El Segundo, Richmond, Cal..gal. 1.02 - 1.05
contracts .....gal. .22½- —
Whiting, Ind.....gal. .19½- —
dms., c.l., Bost., Provid..gal. .28 - —
l.c.l., same basis.....gal. .25 - —
tanks, same basis.....gal. .27 - —
Martinez, Cal.....gal. .18 - —
Rapeseed, blown, bbls.....lb. .28 - —
denat., bbls.....gal. .14½- .14⅝
Red. dist. or saponif, bbls. dlvd..lb. .90 - .91
dms., dlvd.....lb. .09⅝- .10⅝
tanks, dlvd.....lb. .09½- .10½
white, dms.....lb. .08¾- .09¾
Rose, artif., bots.....oz. .12½- .13
natural, coppers.....oz. 2.00 - 8.00
Rosemary, Spanish, cns.....lb. 5.25 -22.50
dms., ...lb. .56 - .75
Rosin, 1st rectfd., dms.....gal. .51 Nom.
2d rectfd., dms.....gal. .52 - .54
3d rectfd., dms.....gal. .54 - .56
Rue, bots.....lb. .58 - .60
Sage, cns.....lb. 2.15 - 2.20
Sandalwood, Australia, cns...lb. 1.50 - 1.55
E.I., USP, cns.....lb. 4.50 - 5.00
Sardine, crude, tanks, Pac. Cst., gal. 5.25 - 5.50
refd., alkali, dms.....lb. .37 Nom.
tanks .....lb. .0800- .0820
kettle-bodied, dms.....lb. .0740- —
light, pressed, dms.....lb. .0900- .0920
tanks .....lb. .0740- .0760
Sassafras, artif., cns.....lb. .0670- —
dms. .....lb. .37 - .38
natural, cns., dms.....lb. .34 - .35
Savin, cns.....lb. .90 - 1.05
Savory, cns, ...lb. 1.50 - 1.60
Sesame, dom., refd., white, dms, lb. 2.00 - 2.25
Shingle stain, bbls., c.l., works, gal. .10¾- .10½
l.c.l., works.....gal. .18 - —
tanks, works.....gal. .21 - —
Snakeroot, Canada, cns.....lb. .14 - —
Soybean, dom., crude, dms..lb. 10.00 -11.00
tanks .....lb. .0660- .0720
refd., dms. .....lb. .0600- —
tanks .....lb. .0780- .0880
Spearmint, USP, cns.....lb. .0720- —
Sperm, bleach, 38°, dms....lb. 1.65 - 1.70
45°, dms .....lb. .1000- .1020
natural, dms.....lb. .0930- .0950
Spruce, cans......lb. .0880- .0900
Sweet birch, North, cns.....lb. 1.05 - 1.10
South, cns.....lb. 3.25 - 3.50
Tallow, acidless, bbls.....lb. 1.65 - 2.00
tanks .....lb. .06½- —
Tansy, cns.....lb. .00 - —
Tar, com'l, dms.. c.l., dlvd., E. cities..gal. 4.00 - 4.25
E. ports.....gal. .26 - —
l.c.l. .....gal. .25 - —
tanks, dlvd. E. cities....gal. .26 - —
rectfd., USP, bbls., dlvd. E. ports..gal. .20 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .50 - —
Tea Tree (see Oil, ti tree).
Thyme, NF, red, dms.....lb. .09 - .09¼
white, dms .....lb. .60 - 1.50
Ti tree, cns.....lb. .78 - 1.70
Tung (see Oil, chinawood).
Turkey red (see Oil, castor, sulphonated).
Turpentine (see T).
Turtle. cns.....gal. 3.50 - 4.00
Valerian, bots. .....lb. 4.25 - 5.00
Vetiver, bots.....lb. 11.00 -12.00
Walnut, crude, dms.....lb. 4.40 -16.50
refd., dms.....lb. .13 - —
Whale, refd., natural, dms..lb. .14½- —
winter, bleach, dms.....lb. .0940- .0960
Wheat germ, cns., dms...gal. .0980- .1000
White, mineral, dom., tech., 50-60 vis., dms.....gal. 27.50 -30.00
65-75 vis., dms.....gal. .42 - .44
80-90 vis., dms.....gal. .44 - .46
USP, 80-90 vis., dms..gal. .45 - .47
95-105 vis., dms.....gal. .54 - .56
125-135 vis., dms.....gal. .63 - .65
140-150 vis., dms.....gal. .75½- .77½
175-185 vis., dms.....gal. .76½- .78½
200-210 vis., dms.....gal. .78½- .80½
320-330 vis., dms.....gal. .80 - .82
335-345 vis., dms.....gal. .85½- .87½
Russian, 80-90 vis., dms., gal. .87 - .89
145-155 vis., dms.....gal. .54 - —
175-185 vis., dms.....gal. .74½- —
335-345 vis., dms.....gal. .76½- —
Wintergreen, natural, North cns..lb. .85 - —
South, cns.....lb. 4.00 - 8.00
synth. (see Methyl salicylate). 3.35 - 3.75
Wood (see Oil, chinawood).
Wormseed, cns.....lb. 2.50 - 2.60
Wormwood, cns.....lb. 2.65 - 2.70
Ylang-ylang, Bourb., bots., cns., lb. 3.50 - 6.00
Manila, bots. .....lb. 18.00 -24.00
Opium, USP, cns.....lb. 11.50 -12.50
gran., cns.....lb. 12.50 -13.50
powd., cns.....lb. 12.50 -13.50
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash....lb. .10½- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .11 - —
Colo., Mont., N. M., Wyo..lb. .10¾- —
Other points.....lb. .10½- —
smaller lots, dlvd., Ala., etc..lb. .11 - —
Ariz., etc. .....lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11½- —
Other points.....lb. .10¾- —
French, Tours, csks., ex dock, lb. .17 - —
kgs., ex dock.....lb. .18½- —
Molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .35 - .40
Orange peel, bitter, bls.....lb. .08 - .09
Sweet, bls.....lb. .10 - .11
Orris root, Florentine, bgs.....lb. .10 - .11
fingers, cs.....lb. .90 - .95
powd., bbls., bxs.....lb. .14 - .15
Verona, bls.....lb. .09 - .10
powd., bxs., cs.....lb. .13 - .14
Orthoanisidin, bbls.....lb. .70 - .74
Orthochloroaniline, dms.....lb. .60 - .75
Orthochlorophenol, dms.....lb. .35 - .75
Orthocresol, dms., c.l., works..lb. .13½- —
l.c.l., same basis..... lb. .14¼- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - —
l.c.l., dms., same basis...lb. .07 - —
100-lb. tins, same basis.lb. .08 - —
50-lb. tins, same basis..lb. .09 - —
tanks, same basis.....lb. .05½- —
Orthodichlorobenzene prices west of Rockies lc. per lb. higher.
Orthonitroaniline, dms.....lb. .55 - —
Orthonitrochlorobenzene, kgs..lb. .28 - .29
Orthonitroparachlorophenol, cns.lb. .70 - .75
Orthonitrotoluene, dms.....lb. .07 - —
Orthotoluene sulphonate, kgs..lb. 2.00 - 2.05
Orthotoluidin, dms.....lb. .14 - —
Osage orange extract, cryst., bbls., lb. .17 - .19
liquid, 51°, bbls.....lb. .07 - .08
Oxyquinolin sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.65 - 4.00

P

Papain, powd., cs.....lb. 2.75 - 3.00
Paprika, Hungarian, extra fancy, bgs..lb. .21 - .22
medium, bgs.....lb. .20 - .20½
Spanish, extra fancy, cs.....lb. .25½- .26
fair, bgs. .....lb. .22 - .22½
fancy, bgs.....lb. .25 - .25½
medium, bgs. .....lb. .23½- .24
Para-aminoacetanilide, kgs....lb. .85 Nom.
Para-amylphenol, tertiary, dms., c.l., works..lb. .26 - —
Parachlorophenol, dms.....lb. .30 - .45
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l., dms.....lb. .12½- .14½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy..lb. .03 - —
bbls., c.l., N. Y.....lb. .0285- —
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .03⅛- —
bbls., c.l., N. Y.....lb. .0285- —
yellow, 124-126 A.m.p., bbls., c.l., N. Y..lb. .02⅝ Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l...lb. .0445- —
export, f.a.s., N. Y..lb. .0465- —
125-127 A.m.p., bgs., c.l..lb. .0455- —
export, f.a.s., N. Y..lb. .04¾- —
128-130 A.m.p., bgs., c.l..lb. .0480- —
export, f.a.s., N. Y..lb. .05 - —
130-132 A.m.p., bgs., c.l..lb. .0495- —
export, f.a.s., N. Y..lb. .0515- —
133-135 A.m.p., bgs., c.l..lb. .0555- —
export, f.a.s., N. Y..lb. .05¾- —
135-137 A.m.p., bgs., c.l..lb. .0580- —
export, f.a.s., N. Y..lb. .06 - —
138-140 A.m.p., bgs., c.l..lb. .0635- —
143-145 A.m.p., bgs., c.l..lb. .0790- —
refined paraffin prices in cases are ½c. lb. higher than bags price.
match, A.m.p. up to and incl. 110-112 bbls., c.l..lb. .03¼- —
semirfd., solid, 122-124 A.m.p., bgs..lb. .03¼ Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C..lb. .34 - —
100 to 900 lbs. shipments, same basis..lb. .35 - —
Paraldehyde, tech., dms., wks..lb. .16 - .18
USP, cbys.....lb. .37 - .45
Paranitroaniilin, kgs., c.l., works, lb. .45 - —
l.c.l., works.....lb. .47 - —
Paranitrochlorobenzene, kgs...lb. .23¾- .24
Paranitrophenol, kgs.....lb. .35 - .37
Paranitrotoluene, kgs.....lb. .35 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - .75
Paratoluidin, bbls.....lb. .56 - —
Pareira brava root, bls.....lb. .15 - .16
Paris green, dealer, dms., cans, f.o.b. works frt. all'd lb. .25½- .27½
less car lot, same basis.lb. .26½- .28½
Passion flower herb, bls.....lb. .06½- .07
Patchouli leaves, bls.....lb. .14 - .15
Pellitory root, bls.....lb. .18 - .20
Pennyroyal, bls.....lb. .14 - .15
Pentane, norm., 28-38°, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .08½- —
laboratory grade, dms., c.l., G.3..gal. .16 - —
l.c.l., G.3.....gal. .25 - —
Pepper, black, Alleppy, bgs...lb. .07¼ Nom.
Lampong, bgs.....lb. .05½- .05¾
Tellicherry, bgs.....lb. .08¼- .08½
Red, birdseye, bgs.....lb. .15 Nom.
Japanese, 1, bgs.....lb. .20 Nom.
Mombassa, bgs. .....lb. .19 - .19½
White, Java, Muntok, bgs....lb. .08¾- .09
Singapore, Muntok, bgs...lb. .08¼- .08½
Peppermint leaves, dom,, bls..lb. .32 - .33
import, bls. .....lb. .40 - .42
Peru, balsam, dms.....lb. .82 - .85
Petrolatum, amber, bbls., c.l., lb. .02⅞- .03
l.c.l. .....lb. .04 - .04¼
extra, bbls.....lb. .03¼- .03¾
l.c.l. .....lb. .04¼- .04½
cream (see white, cream)
green (see red)
red, veterinary, bbls., c.l....lb. .02⅝- .02⅞
l.c.l. .....lb. .03¾- —
white, cream, bbls., c.l....lb. .05 - .05¼
l.c.l. .....lb. .06⅝- —
lily, bbls., c.l.....lb. .06 - .06¼
l.c.l. .....lb. .07⅝- —
snow, bbls., c.l.....lb. .07 - .07¼
l.c.l. .....lb. .08⅝- —
Petroleum, crude, bulk, at wells:—
California:—
Alamitos Heights.....bbl. .74 - .95
Athens .....bbl. .84 - 1.06
Belridge .....bbl. .70 - 1.32
Buena Vista Hills....bbl. .70 - 1.39
Canal-Greely .....bbls. .84 - 1.64
Coalinga .....bbl. .70 - .90
Coyote Hills (West)..bbl. .78 - 1.32
Domingues .....bbl. .79 - 1.60
East Coyote .....bbl. .76 - .96
Elk Hills .....bbl. .70 - 1.38
Elwood Terrace, f.o.b. ship., bbl. 1.28 - 1.43
El Segundo .....bbl. .80 - 1.21
Huntington Beach.....bbl. .78 - 1.22
Inglewood .....bbl. .79 - 1.27
Kern Front .....bbl. .70 - —
Kern River .....bbl. .70 - —
Kettleman Hills .....bbl. 1.19 - 1.43
La Habra.....bbl. .76 - .96
Lakeview .....bbl. .70 - 1.38
Lost Hills .....bbl. .70 - 1.32
McKittrick .....bbl. .70 - —
Midway - Sunset (except Lakeview)..bbl. .70 - 1.38
Montebello .....bbl. .77 - 1.43
Mt Poso .....bbl. .70 - —
Mountain View.....bbl. .70 - 1.20
Newhall .....bbl. .70 - —
Orcutt .....bbl. .70 - .93
Olinda Brea .....bbl. .76 - 1.27
Playa del Rey, f.o.b. pipeline .....bbl. .80 - 1.16
Richfield .....bbl. .78 - 1.09
Rosecrans .....bbl. .84 - 1.66
Round Mt. .....bbl. .70 - —
Santa Fe Springs.....bbl. .78 - 1.42
Santa Paula.....bbl. .70 - 1.01
Seal Beach.....bbl. .79 - 1.19

Oil, Lard—Petroleum Naphtha

Petroleum, crude, bulk, at wells:—
California (Cont.):—
Signal Hill .....bbl. .80 - 1.21
Torrence .....bbl. .80 - 1.05
Wheeler Ridge .....bbl. .70 - .83
Whittier .....bbl. .76 - .96
Wilmington .....bbl. .75 - 1.21
Canada:—
Oil Springs.....bbl. 2.17 - —
Petrolia .....bbl. 2.10 - —
Central West:—
Illinois .....bbl. 1.35 - —
Lima .....bbl. 1.25 - —
Midland (Mich.) .....bbl. 1.42 - —
Princeton .....bbl. 1.35 - —
East Texas.....bbl. 1.36 - —
Gulf Coast:—
Barber's Hill.....bbl. .95 - 1.41
Batson .....bbl. .95 - 1.41
Dayton .....bbl. .95 - 1.41
Esperson .....bbl. .95 - 1.41
Goose Creek .....bbl. .95 - 1.41
Hull .....bbl. .95 - 1.41
Humble .....bbl. .90 - 1.41
Liberty .....bbl. .90 - 1.41
Markham .....bbl. .90 - 1.29
Orange .....bbl. .95 - 1.41
Pettus .....bbl. 1.37 - —
Pierce Junction .....bbl. .95 - 1.41
Refugio (incl. Greta, Taft, Saxet)..bbl. 1.01 - 1.17
Saratoga .....bbl. .95 - 1.41
Sour Lake .....bbl. .90 - 1.41
Spindle Top .....bbl. .95 - 1.41
Sugarland .....bbl. .95 - 1.41
West Columbia .....bbl. .96 - 1.41
Kentucky, Tennessee:—
Big Sandy river.....bbl. 1.42 - —
Kentucky river.....bbl. 1.50 - —
Western Kentucky (Owensboro..bbl. 1.40 - —
Louisiana, Arkansas:—
Bull Bayou.....bbl. .90 - 1.22
Caddo .....bbl. .90 - 1.22
Cameron Meadows.....bbl. .90 - 1.30
Choctaw .....bbl. .90 - 1.30
Cotton Valley.....bbl. .90 - 1.22
Darrow .....bbl. .90 - 1.30
De Soto.....bbl. .90 - 1.22
El Dorado.....bbl. .90 - 1.22
Haynesville .....bbl. .90 - 1.22
Homer .....bbl. .90 - 1.22
Iowa .....bbl. .90 - 1.30
Lockport .....bbl. .90 - 1.30
Miller County.....bbl. .90 - 1.22
Pine Island.....bbl. .90 - 1.22
Rainbow .....bbl. .90 - 1.22
Rodessa .....bbl. .90 - 1.22
Smackover .....bbl. .90 - —
Tepetate .....bbl. 1.24 - —
Urania .....bbl. 1.02 - —
Mexico, f.o.b. terminals Mexican ports—based on contract:—
Panuco .....bbl. 1.05 - —
Tax, 14.392c. per bbl.
Tuxpan .....bbl. No prices.
Tax, 23.45c. per bbl.
Midcontinent:—
North Texas.....bbl. .96 - 1.20
Oklahoma-Kansas ....bbl. .98 - 1.20
Altus, Tipton (Okla.), bbl. .96 - 1.20
Pennsylvania, Ohio, West Virginia:—
Bradford-Allegany ....bbl. 2.20 - —
Corning .....bbl. 1.27 - —
Pennsylvania grade, in Buckeye lines..bbl. 1.70 - —
Eureka lines.....bbl. 1.82 - —
N. Y. Transit lines.bbl. 2.20 - —
S.W. Penn. lines...bbl. 1.88 - —
lower district in National Transit lines.bbl. 2.10 - 2.15
Rocky Mountain:—
Big Muddy .....bbl. 1.18 - 1.20
Canon City-Florence..bbl. 1.10 - —
Cat Creek .....bbl. 1.40 - —
Dutton Creek.....bbl. 1.06 - 1.20
Elk Basin.....bbl. 1.20 - —
Fort Collins-Wellington... bbl. 1.01 - 1.25
Frannie, light.....bbl. .82 - —
Grass Creek.....bbl. 1.30 - —
Greybull .....bbl. 1.20 - —
Iles .....bbl. 1.12 - 1.18
Lance Creek.....bbl. .97 - —
Midway .....bbl. 1.06 - 1.20
Rock Creek.....bbl. 1.20½- —
Salt Creek.....bbl. 1.06 - 1.20
Sunburst .....bbl. 1.20 - —
Torchlight .....bbl. 1.20 - —
South, Central and Southwestern Texas:—
Cass County.....bbl. .98 - 1.25
Cleveland-Liberty .....bbl. 1.27 - —
Conroe .....bbl. 1.20 - 1.44
Darst Creek.....bbl. 1.09 - —
Hardin-Liberty .....bbl. 1.15 - —
Luling .....bbl. 1.00 - —
Lytton Springs.....bbl. 1.12 - —
Mirando (incl. Duval).... bbl. .96 - 1.20
Panola County.....bbl. .93 - 1.25
Salt Flat .....bbl. 1.09 - —
Tomball .....bbl. 1.20 - 1.44
Van .....bbl. 1.10 - —
Texas Panhandle:—
Carson-Hutchinson counties, bbl. .91 - 1.06
Gray County .....bbl. .96 - 1.06
West Texas:—
Artesia, N. M.....bbl. .90 - —
Crane .....bbl. .78 - 1.06
Crockett .....bbl. .78 - 1.06
Ector .....bbl. .78 - 1.06
Glasscock .....bbl. .78 - 1.06
Hogback .....bbl. 1.33 - —
Howard .....bbl. .78 - 1.06
Jackson, N. M.....bbl. .90 - —
Lea, N. M.....bbl. .78 - 1.06
Maljamar, N. M.....bbl. .90 - —
Mitchell .....bbl. .78 - 1.06
Pecos .....bbl. .91 - —
Upton .....bbl. .78 - 1.06
Winkler .....bbl. .78 - 1.06
Ether, 30-60°, dms., c.l., G. 3. gal. .14 - —
l.c.l., G.3.....gal. .17 - —
tanks, G.3 .....gal. .13 - —
55-60°, dms., l.c.l., G.3....gal. .35 - —
40-75°, dms., c.l., G.3.....gal. .14 - —
l.c.l., G.3.....gal. .16 - —
tanks, G.3.....gal. .13 - —
laboratory grade, dms., c.l., G.3..gal. .16 - —
c.l., G.3.....gal. .25 - —
10-gal. lots, G.3.....gal. .50 - —
Lacquer, diluent, at refinery:—
California 60, 160 l.b.p., 26 e.p., tanks, delvd. Los Angeles..gal. .11 - —
San Francisco..gal. .11½- —
f.o.b. Richmond..gal. .11½- —
Willbridge, Ore.; Pt. Wells, Wash..gal. .12 - —
East Coast, tanks....gal. .12 - .12½
Group 3, tanks.....gal. .08¾- —
Naphtha, cleaners, at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .07¾- —
tankwagon, Boston, ex-tax, gal. .13 - —
Bridgeport .....gal. .13½- —
Chicago, Inc. 4c. tax...gal. .17½- —

Petrol. Naphtha—Potash

Petroleum, naphtha, cleaners, t/w, Decatur, inc., 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —
Evansville, inc. ex tax.gal. .14½- .15½
Milwaukee, inc. 5c. tax, gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .12 - —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Oklahoma City, ex tax.gal. .16 - —
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c. tax..gal. .167 - —
Syracuse, 150 gals.....gal. .14 - —
smaller lots, galv. drums, gal. .16 - —
milk cans.....gal. .21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .18 - —
2, over 90% arom., same basis..gal. .21 - —
3, tanks, f.o.b. Bayway..gal. .16 - —
8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N, J....gal. .17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt...gal. .16¼- —
30, same basis.....gal. .18¼- .19
40, same basis.....gal. .14½- .15½
V. m. & p., at refinery:—
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —

Petroleum, naphtha, v. m. & p., at rfy., California 54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles..gal. .10 - —
San Francisco..gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .11 - —
Group 3, tanks.....gal. .07¾- —
tankwagon, Boston, ex tax gal. .13 - .14
Chicago, inc. 4c. tax..gal. .162 - —
Decatur, inc. 4c. tax..gal. .191 - —
Des Moines, inc. 4c. tax.gal. .189 - —
Evansville, Ind.,ex tax.gal. .147 - .157
Milwaukee, inc. 5c.tax.gal. .203 - —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .13½- —
New York, ex tax.....gal. .12 - —
Omaha, ex tax.....gal. .144 - .154
Philadelphia, ex tax...gal. .12½- —
St. Louis, inc. 1c. tax.gal. .157 - —
Solvent, rubber, at refinery, East Coast, tanks..gal. .10 - —
Group 3, light, 120 i.b.p., 250 e.p., tanks..gal. .07¾- —
standard, 180 i.b.p., 288 e.p., tanks..gal. .07¾- —
Stoddard (CS 3-23), at refinery:—
East Coast, tanks.....gal. .10 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, Boston, ex tax, gal. .12½- .13½
Chicago, inc. 4c. tax..gal. .156 - —
Decatur, inc. 4c. tax..gal. .181 - —
Des Moines,inc. 4c. tax.gal. .179 - —
Evansville, Ind.. ex tax.gal. .135 - .145
Milwaukee, inc. 5c. tax, gal. .193 - —
Minneapolis - St. Paul, inc. 5c. tax..gal. .181 - —
Newark, ex tax.....gal. .11½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .11½- —
Omaha .....gal. .131 - .141
Philadelphia, ex tax...gal. .11½- —
St. Louis, inc. 1c .tax.gal. .146 - —
Tulsa, ex tax.....gal. .10 - .11

Petroleum thinner, at refinery:—
California, 34. 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles....gal. .14 - —
Portland, Ore.....gal. .15 - —
Richmond .....gal. .13½- —
Seattle, Wash....gal. .15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.; Willbridge, Ore., gal. .10½- —
Richmond .....gal. .10 - —
Southern Calif....gal. .09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Portland, Ore.....gal. .12 - —
Richmond .....gal. .11½- —
Seattle, Wash....gal. .12 - —
East Coast, 43-47, tanks.gal. .09½- .10
47-49, tanks.....gal. .09½- .10
New Jersey, tanks...gal. .09 - —
Group 3, tanks.....gal. .06¾- —
tankwagon, tax included:—
Albany .....gal. .13 - —
Baltimore (100 gals.)..gal. .12½- .15½
25-99 gals.....gal. .13½- .15½
Boston .....gal. .12½- .13½
Bound Brook, North Amboy, N. J..gal. .11½@ .13½
Bridgeport, Conn. ....gal. .13 - —
Buffalo .....gal. .12½- —
Camden, N. J.....gal. .115 - .136
Chicago .....gal. .159 - —
Decatur, Ill. .....gal. .181 - —
Des Moines .....gal. .179 - —
Evansville, Ind.....gal. .137 - .147
Milwaukee .....gal. .193 - —
Minneapolis-St. Paul...gal. .19½- —
Newark .....gal. .09½- —
New York (200 gals.).gal. .11 - —
smaller lots .....gal. .11½- .12
Omaha .....gal. .131 - .141
Philadelphia .....gal. .115 - .135
Pittsburgh .....gal. .12 - .14

Petroleum thinner, t/w., Providence..gal. .12½- .13½
Rochester .....gal. .12 - .16
St. Louis .....gal. .147 - —
Syracuse .....gal. .14 - —
Trenton .....gal. .11½- .14
Wilmington, Del.....gal. .11½- .13½
Phenobarbital, bots., 5 lbs....lb. 4.35 - —
bots. or cns., spot or contract, 100 lbs..lb. 4.00 - —
cns., 25 lbs.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .14½- .15½
l.c.l., same basis.....lb. .15½- .16½
under 1,000 lbs.....lb. .16½- .17½
tanks, works.....lb. .13½- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs. lb. .87 - .89
yellow, fib., dms., 2,000-lb. lots. lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.25 - 2.50
Dimethylacetate, cns.....lb.14.50 -15.00
Phenylethylphenyl acetate, bots., lb.11.50 -15.50
Phenylhydrazine base, CP, bots. lb. 4.00 - —
Hydrochloride, CP, bots., works..lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins,works.lb.20.00 -22.00
tech., tins, works.....lb.15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pebble, 68% min., bulk, mines..long ton. 1.85 - —
70% min., bulk, mines.... long ton. 2.35 - —
72% min., bulk, mines.... long ton. 2.85 - —
75% basis, 74% min., bulk mines..long ton. 3.85 - —
Tenn., 72% bulk, mines.... long ton. 4.50 - —
75%, bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
Yellow, cs.....lb. .24 - .30
Oxychloride, cyls.....lb. .15 - .18
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .10
Pilocarpine hydrochloride, bots., vls..oz. 2.40 - 2.50
Nitrate, bots., vls .....oz. 2.90 - 3.00
Pimento, bgs.....lb. .14 - .14½
Pinkroot, bls.....lb. .45 - .46
Pitch, Burgundy (see B)
Coaltar, 160° m.p., bbls., c.l., works..ton.19.00 - —
l.c.l. .....ton.22.00 - —
Pitch, hardwood, 1-time, dm., c.l., divd. Akron..ton.23.75-24.00
Linseed, dms.....lb. .04¾- .05¾
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 5.75 - 6.00
Plaster of paris (see Gypsum).
Pleurisy root, bls.....lb. .12 - .13
Podophyllin, dms. .....lb. 4.80 - 4.85
Poke root, bls.....lb. .07½- .08
Pomegranate bark, bgs.....lb. .18 - .19
Root bark, bgs.....lb. .40 - .41
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .09¾- .09¾
Polish, bgs.....lb. .09 - .09¾
Potash acetate, USP, bbls., 250 lbs..lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .33 - —
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
gran., bbls., 250 lbs.....lb. .18 - —
kgs., 100 lbs.....lb. .20 - —
Bichromate spot, c.l., works, lb. .08½- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Binoxalate, dms.....lb. .23 - —
Bisulphate, kgs.....lb. .15½- .18
Bromide, USP., gran., bbls., 500 lbs..lb. .31 - —
fib., dms., 100 lbs.....lb. .32 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis....lb. .05¾- —
liquid, dms., c.l., divd.....lb. .05 - —
l.c.l., dms.....lb. .03½- —
tanks, divd.....lb. .0287½- —
USP, gran., bbls., 325 lbs..lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works..lb. .07 - —
l.c.l. .....lb. .07¼- .07½
import, dms.....lb. .07 - .07½
liquid, 45% basis, dms....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, csks.....lb. .06¼- .06¾
Chlorate, cryst., kgs.....lb. .09¼- .09¾
gran., kgs.....lb. .12 - .15
powd., kgs.....lb. .08½- .09
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 - .06
Chromate, kgs.....lb. .19 - .28
Citrate, USP, gran., bbls., 250 lbs..lb. .84 - —
kgs, 100 lbs.....lb. .35 - —
cns., 50 lbs.....lb. .36 - —
cns., 25 lbs.....lb. .38 - .39
Cyanide, cns., dms.....lb. .55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.40 - —
Guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.06 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.26
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.i.f., ports..ton.12.75 - —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.i.f. ports, unit-ton. .58½- —
import., 30% K_2O,bulk,shipt, unit-ton. .58½- —
Metabisulphite, kgs.....lb. .13 - .15

5 Advantages of SKELLYSOLVE AS a Lacquer Diluent

by A. ERNEST MACGEE

Manager Skellysolve Division, Skelly Oil Company

IN working with our friends in the paint, lacquer and varnish industry to provide solvents that fit their needs exactly, we've found five big advantages in the Skellysolve line—all important to you.

The first advantage is *uniformity*. You can depend on Skellysolve being the same month after month. There is no need to change formulas with each shipment when you rely on Skellysolve, so you save trouble and money.

The second advantage is—*no greasy residues*. Drying is complete and rapid, with minimum gum formation. Advantage number three is—*close boiling ranges*, some as low as 15° F. from initial to dry flask end point. Skellysolve's close boiling ranges remain constant, in storage and in formulas, and tendency to fractionate is cut to the minimum. Advantage number four is—*low evaporation losses*. This saves you money, reduces fire hazard and tendency to blush.

And advantage number five is Skellysolve's *uninterrupted supply*. We have the raw materials. We're in the business to stay. You can count on getting Skellysolve for years to come, and we've seen how important that is when we've rushed to the rescue of people whose source of supply has failed them.

You see, Skelly pioneered in the development of dependable, uniform, special naphthas. And we're still pioneering in close cuts, constant uniformity, rigid quality-control. So, whatever type or price of solvent you need, I'm sure it'll pay you to give us a call.

Write or wire for information or prices without delay

SKELLYSOLVE

Skellysolve is shipped to you in Skelly's own cars used for no other purpose. This guarantees speed of delivery and prevents contamination or mixture with other materials.

SOLVENTS DIVISION

Skelly Oil Co., 121 W. Wacker Drive

CHICAGO

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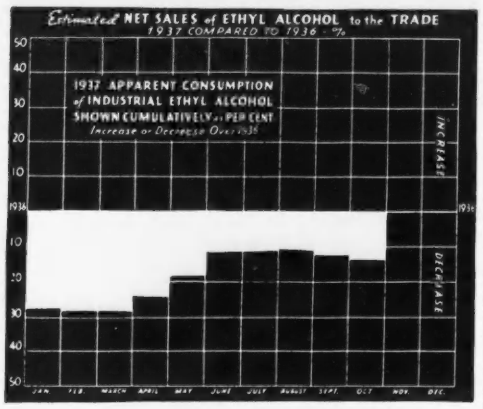
Prepared Monthly by the U. S. Industrial Chemical Co., Inc.

SOLVENT NEWS

Reg. U. S. Pat. Off.

JANUARY ★ A Monthly Series of Articles for Chemists and Executives of the Solvent-Consuming Industries ★ 1938



Apparent consumption of industrial ethyl alcohol from Jan. 1 to Oct. 31, 1937, was 49,742,000 wine gallons. This is 12.4 per cent less than during the same period in 1936 when 56,741,000 wine gallons were consumed.

Makes Tacky Adhesive By Mixing Solutions of Rubber and Ester Gum

WASHINGTON, D. C.—Combining a solution of rubber with a solution of ester gum will produce an adhesive characterized by "permanent tackiness," according to a recent patent granted here.

If applied to one surface, the adhesive will join two surfaces in an essentially "permanent" bond which can be broken apart later without damaging or marring the surfaces, the inventor claims.

Typical formulations for the two solutions are cited by the patent as follows:

Solution 1

Milled crepe rubber	1 lb.
Naphtha	2½ gals.

Solution 2

Ester gum	4 lbs.
Toluol	25.6 ozs.
Ethyl Acetate	19.2 ozs.
Butyl Acetate	6.4 ozs.

To obtain an adhesive with the proper tackiness, the inventor adds preferably 5 to 15 ounces of the ester gum solution to sufficient rubber solution to make a total yield of about 1 gallon.

The resultant product can be used "for joining together in all combinations paper, cardboard, glass, wood, cork, metals, fabrics, cellophane, etc." Upon separation of any joined surfaces, all of the adhesive remains on the surface to which it was originally applied, the patentee asserts.

Simplify Paint & Varnish Containers and Shades

"Consistent educational effort" toward familiarizing the industry and the consumer with the simplification program relating to shades and containers for paints, varnishes, and related products is urged upon all manufacturers by the joint committee on Simplified Practice Recommendation R 144-37 in a recent bulletin issued by the Dep't. of Commerce.

The bulletin outlines revisions and additions to the original schedule accepted by the industry and lists over 600 organizations now cooperating.

The committee stresses the value of previous work and asks for suggestions "to keep it abreast of current conditions."

Explains How To Figure Paint and Varnish Cost

Speaking at the Industrial Sales Session of the National Paint, Varnish and Lacquer Assn. in Cincinnati, Wm. R. Sieplein, general supervisor of costs, The Sherwin-Williams Co., presented a cost system for paint and varnish manufacturers that is winning the acclaim of experts.

Mr. Sieplein reports that after the NRA was outlawed, much of the improvement brought about by the Cost Committee of the Code Authority was dissipated. Starting with the work of this and other committees, the author has developed a cost system which "clearly and simply outlines the fundamental principles."

Using many tables and charts, this expert cost accountant shows how to calculate the cost of raw materials, handling, manufacturing, labor, overhead, the formula yield and other factors which determine the final selling price.

Believing that many Solvent News readers would like to have copies of Mr. Sieplein's article, arrangements have been made to publish a comprehensive digest of it in the 4-page Solvent News folders mailed without charge to subscribers. To receive your copies, simply write to U.S.I. and ask that your name be added to the Solvent News mailing list.

Silicon Carbide in Paints

Chemical resisting paint in which finely ground silicon carbide is added to the usual pigments was recently patented in England. The silicon carbide acts as a pigment and as a chemical resisting admixture, it is said. Titanium oxide can also be used, and small amounts of chrome pigments increase the rust-resisting properties, the patentee reports. Examples are given in which 85 parts of silicon carbide are added to 15 parts of litharge or red lead, or 85-75 parts of carbide to 15-25 parts of white lead.

Complete specifications, applications, commercial data and technical information on all the products of the U.S. Industrial Chemical Co., Inc., are given in the new catalog, "Solvents and Chemicals." Copies may be secured by writing to U.S.I. on your business letterhead and asking for a copy of the "Solvents and Chemicals" catalog.

Find Ansol M Best Solvent in Resin Viscosities Study

Develop Table for Manila Resin-Alcohol Solutions

BROOKLYN, N. Y.—Further evidence of the superiority of Ansol M as a resin solvent is contained in a report of a new series of tests on resin viscosities just completed in the laboratories of the American Gum Importers Association, Inc.

Twenty-eight grades of Manila were tested for their color, viscosity and solubility in various alcohols and denatured alcohol solvents. In every case Ansol M* showed the greatest solvent power and gave Manila resin solutions of lower viscosities than any denatured alcohol or alcohol-type solvent studied.

As a result of the tests resin consumers, it is pointed out, are for the first time able to prepare a Manila resin-alcohol solution of a given definite viscosity by consulting tables which show the viscosity of the resin in solvent.

Pontianak Resin

At the same time, it is stated, the tables enable selection of the most satisfactory resin for a given viscosity on the basis of the viscosity ratings applied to each class of resin.

A simplified form of viscosity table for Pontianak resin follows:

Grade	Ansol M*	Solox†	C.D. Alcohol No. 12
Bold scraped	L	R	X
Mixed Bold	E	F	Q
Cuttings	I	J	O
Nubs	G	I	L
Chips	D	D	F

The viscosities shown are Gardner-Holt viscometer readings in which viscosity is designated by letters. A indicates the least viscous solution; B one slightly more viscous, and so on.

As will be noted, an Ansol M* solution of Chips is the least viscous, while a C.D.

(*Continued on next page*)

INTENSE INTEREST in the progress of the Chemical Industry during the past two years was shown by visitors to the Sixteenth Exposition of Chemical Industries held in New York last month. Approximately 4,000 people took special note of the U.S.I. display (above) where more than 100 products, many new, were shown. Dyestuff intermediates and special lacquer solvents prompted by far the greatest number of inquiries.

ADVERTISEMENT—*This entire page is a paid advertisement.*

JANUARY ★ # SOLVENT NEWS ★ 1938

Stabilize Lacquer With Formaldehyde Solution

LONDON, England—How to stabilize in the can, lacquers of the urea formaldehyde and phenol formaldehyde type that harden by polymerization, is revealed in a recent patent granted here.

The inventor uses free formaldehyde—conveniently added to the lacquer in a solution of butyl alcohol.

A typical formulation outlined in the patent papers is as follows: To a 50 per cent solution of urea formaldehyde resin in butyl alcohol (40 parts) is added 2½ parts of paraformaldehyde dissolved in 5 parts of butyl alcohol (which may also contain the hardening catalyst) with the aid of a trace of alkali and 0.1 per cent of 30 per cent hydrochloric acid.

When so treated, the resultant lacquer, it is claimed, will dry to a hard, insoluble film in one to two hours.

Chloroprene in '38 cars

Chloroprene rubber is being used for one or more purposes on most of the 1938 automobiles, according to "Automotive Industries." Among the applications reported are water pump seals, radiator cap gaskets, gear shift bumpers, dust and oil seals and as a bumper in the front wheel lower spring seat. The latter application utilizes both the vibration-dampening and oil-resisting properties of the synthetic rubber.

Metallic Soap Retards Chalking of Paint Film

LONDON, England—Failure of paint film by chalking is noticeably delayed by compounding with certain metallic soaps, according to a new series of tests reported here. The soaps used, tin oleate, tin resinate and chromium oleate, were found to have a double action: delaying the onset of chalking and retarding it if already begun. An increase in the interval preceding chalking of 50 to 100 per cent was noted when a solution of chromium oleate in petroleum spirit was used. Since paints containing titanium dioxide were used in the tests, the experimenters believe that other paints will also respond to the treatment.

Tobacco Treatment

LONDON, England—Treatment of tobacco leaves with ethylene gas to reduce curing time and improve flavor and aroma has been suggested by the Agricultural Adviser to the Colonial Office. Ethylene gas stimulates the enzyme action in the curing of tobacco, it is claimed.

Sucrose octa-acetate can be used for waterproofing textiles and for insulating paper and plaster substances, according to a recent article. The salt is dissolved in a suitable solvent and applied to the surface of textiles. Ironing is said to produce a completely waterproof gloss.

Ansol M Wins Top Rating in Study of Resin Viscosities by Gum Ass'n

(*Continued from previous page*)

Alcohol No. 12 solution of Bold Scraped is the most viscous.

Experimental work has shown, when the range of materials covers all the commercial grades of Manilla Copal resins "that the superior solvent power of Ansol M* is maintained throughout."

The report further states:

"The superiority of Ansol M* as a solvent may be attributed to two factors:

"1. Ansol M* is . . . anhydrous . . . i.e., there is no water present. [Ansol M is substantially anhydrous denatured alcohol to which have been added percentages of ester and hydrocarbons—Ed.]

"2. The possibility of one of the denaturants in the Ansol M* being an excellent solvent for Manilas."

The tests were made by grinding the resin to split pea size or smaller, placing a 100 gram sample in a narrow screw cap jar and adding to this 100 grams of solvent. The jar was then rotated end over end, at about 30 R.P.M. for 15 to 18 hours at room temperature, after which it was allowed to stand for 24 hours. Color, viscosity and solubility determinations followed.

Among the Philippine and Pontianak resins examined, the best grade in each case gave the greatest viscosity. However, among the Lobas, Loba "A" gave a lower viscosity than Lobas "B," "C" and "D."

The Manilla Copals embrace those known as soft Manillas or Melengket, the half hard Lobas, the Pontianaks and the Boeas.

*Trade-mark registered by U.S. Industrial Chemical Co., Inc.

†U.S.I. proprietary solvent.

TECHNICAL DEVELOPMENTS

Further information on these items may be obtained by writing to U.S.I.

A sprayable corrosion-resistant plastic has been developed to delay the damage to concrete, steel and wooden structures and equipment by corrosion, erosion, electrolysis, etc. According to the manufacturer, the material bonds to the base material and can be pigmented to practically any color or shade. **(No. 51)**

U S I

A new heat-resisting aluminum finish will withstand temperatures up to 1900 deg. F. without discoloration, blistering, etc., the manufacturer states. The material can be held over an open flame a few minutes after applying by brush or spray, it is claimed. **(No. 52)**

U S I

Combination sheet aluminum and wood veneer is now available for wall covering, paneling, etc. According to the manufacturer the aluminum gives light weight, fire-prevention and flexibility; the thin veneer of wood gives the beauty of natural grain in the color and texture desired. **(No. 53)**

U S I

Loss of drying of paints on aging is said practically to be eliminated by incorporating a small amount of a new product in the pigment before it is ground. **(No. 54)**

U S I

A dispersion of carbon black in shellac has been placed on the market. It is said to simplify the incorporation of carbon black into products where shellac is used. Reported composition is: shellac, 62½%, carbon black, 37½%. **(No. 55)**

U S I

A waterproofing agent for animal, vegetable and artificial fibers which is said to give a soft feel to the waterproofed fabric is now on the market. **(No. 56)**

U S I

Calcium stearate beads for waterproofing cement can be made more economically by a new process, according to a recent announcement. Other advantages claimed for the process are: Increased calcium stearate content (95.1 per cent), easier and more uniform dispersion with cement, and no dust from the beads. **(No. 57)**

U S I

A rust preventive compound which can be dipped, sprayed or brushed on metal surfaces to produce thin, transparent, colorless and corrosion-resisting films is now being marketed. According to the announcement, the films can be varied in texture, depending on the service desired. **(No. 58)**

U S I

Perfection of a new-type "freeze-proof" carbon paper, announced recently, is expected to overcome the reported "freezing" of carbon paper in the sales books of truck drivers, house-to-house canvassers and others operating out of doors during the winter. **(No. 59)**

U.S. INDUSTRIAL ALCOHOL CO.
INDUSTRIAL CHEMICAL CO., INC.

WORLD'S LARGEST PRODUCERS OF ALCOHOL DERIVED SOLVENTS

Executive Offices: 60 East 42nd Street, New York, N. Y. Branches in all Principal Cities

AMYL ALCOHOLS
Refined Amyl Alcohol
Refined Fusel Oil
Secondary Amyl Alcohol

ETHYL ALCOHOLS
Specially Denatured
Completely Denatured
Anhydrous Denatured
Absolute—Pure
C.P. 96%—Pure and Denatured
Pure (190 Proof)—Taxpaid, Tax Free

*SOLOX—The General Solvent
*SUPER PYRO—The premium Quality Anti-freeze

BUTYL ALCOHOLS
Normal and Secondary

ISOPROPYL ALCOHOL

METHYL ALCOHOLS
95%, 97% and Pure

METHYL ACETONE

ETHYL ETHER
U.S.P. and Absolute (A.C.S.)

COLLODIONS
U.S.P., U.S.P. Flexible and Photo

NITROCELLULOSE SOLUTIONS

DIAMYL PHTHALATE
DIBUTYL PHTHALATE
DIETHYL PHTHALATE
DIMETHYL PHTHALATE

ACETIC ETHER
AMYL ACETATES
High Test Commercial
Technical Secondary
BUTYL ACETATES
Normal and Secondary
***DIATOL**
DIETHYL CARBONATE

ETHYL ACETATES
85-88%, 95-98%, 99% and U.S.P

ETHYL LACTATE
ISOPROPYL ACETATE
AMYL PROPIONATE
BUTYL PROPIONATE

ANSOLS
Ansol M Ansol PR

ACETOACETANILID
ACETOACET-O-CHLORANILID
ACETOACET-O-TOLUIDID
ETHYL ACETOACETATE
SODIUM ETHYL OXALACETATE
PARACHLOR-O-NITRANILINE

ACETONE
DIBUTYL OXALATE
DIETHYL OXALATE
ETHYL CHLORCARBONATE
ETHYLENE
URETHANE

***CURBAY BINDER**
POTASH BY-PRODUCTS

*Trade-mark registered

Potash, muriate, dom., all strengths, min. 50% K_2O, bulk....unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.i.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $2 ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., Jan.-May shipt., c.i.f. ports..ton.57.50 - —
Perchlorate, kgs., works.....lb. .09½- .11½
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs..lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .13 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.i.f. ports..ton.38.00 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .35
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. .18 - .20
Prince's pine herb, bls.....lb. .22 - .26
Propane, tanks, G.S.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .19
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
0, 0-½, 0-¾, and ¼, bbls., 3 or over, works..lb. .04 - —
less than 3, works..lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex-dock, N.Y..ton.32.85 Nom.
l.c.l., 5-20 tons, ex whse. ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .10 - .12
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs. 100 lbs.4.65 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined dms., 1,000 lbs.100 lbs. 5.15 - —
500-999 lbs.....100 lbs. 5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs., 100 lbs. 3.65 - —
500-999 lbs.....100 lbs. 3.85 - —
100-499 lbs.....100 lbs. 4.05 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 5.00 - 5.25
basis (30 to 1) 3.6% pyrethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand, gal. 7.75 - 7.85
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .18 - —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .19 - —
Pyridin, denaturing, dms....gal. 1.55 - —
refd., 2° dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyroxylin scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works...lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03½- —
tanks, works.....lb. .03 - —
Quebracho, solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow herb, bgs..lb. .10 - .12
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .06 - .08
solid, dms. .....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flasks.81.00 -82.00
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .98 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .98 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Ethylcarbonate, cns.....oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .93 - —
Glycerophosphate, cns.....oz. 1.15 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydroiodide, cns.....oz. .96 - —
Hypophosphite, cns.....oz. .96 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P., X, cns....oz. .53 - —
U.S.P. XI, cns.....oz. .59½- —
Sulphocarbolate, cns.....oz. .96 - —
Tannate, cns.....oz. .57 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06¼- .06½
Dutch, bgs.....lb. .06⅝- .06¾
Japanese, bgs.....lb. .06¼- .06⅜
Raspberries, dried, bbls.....lb. .68 - .70
Red, alizarin lake bbls., divd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - —
Red, Alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Amaranth (see Red, maroon, lake)
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .91 - —
smaller lots, same basis, lb. .96 - —
kgs., ton lots, same basis, lb. .96 - —
smaller lots, same basis, lb. 1.01 - —
light shade, bbls., ton lots, same basis..lb. .76 - —
smaller lots, same basis, lb. .81 - —
kgs., ton lots, same basis, lb. .81 - —
smaller lots, same basis, lb. .86 - —
light-medium shade, bbls., ton-lots, same basis..lb. .81 - —
smaller lots, same basis, lb. .86 - —
kgs., ton lots, same basis, lb. .86 - —
smaller lots, same basis, lb. .91 - —
maroon shade, bbls., ton lots, same basis..lb. 1.01 - —
smaller lots, same basis, lb. 1.06 - —
kgs., ton lots, same basis, lb. 1.06 - —
smaller lots, same basis, lb. 1.11 - —
medium shade, bbls., ton lots, same basis..lb. .86 - —
smaller lots, same basis, lb. .91 - —
kgs., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .96 - —
Selenide, bbls., dark works..lb. 2.75 - —
light works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.60 - —
Carmine, 40, cns., 500 lbs....lb. 4.00 - —
100 lbs. .....lb. 4.15 - —
11 lbs. .....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y...lb. .08¾- —
80%-85%, bbls., same basis.lb. .07½- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol toner, bbls., same basis, alizarin lake, contrs..lb. .75 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake.....lb. 1.35 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls. 1.49 - —
Metallic, bbls., Pa., works..lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works lb. .08½- —
l.c.l., works.....lb. .09½- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .05¾- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .05 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03¾ Nom.
Toluidin toner, kgs., same basis alizarin lakes..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N. Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis..... lb. 16¾
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15% bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermillion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.60 - —
smaller lots.....lb. 1.61 - 1.69
Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.75 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works.lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb root, cs.....lb. .65 - .70
powd., bbls., kgs.....lb. .70 - .75
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots .....lb. .16½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots.....lb. .15½- —
Rose flowers, pale, bls.....lb. .32 - .34
Red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls. .....lb. .05½- .06
Rosin, gum, B, bbls., ex dock.. 280 lbs. 5.50 - —
D, bbls.....280 lbs. 5.50 - —
E, bbls.....280 lbs. 5.75 - —
F, bbls.....280 lbs. 6.87½- —
G, bbls.....280 lbs. 6.87½- —
H, bbls.....280 lbs. 7.07½- —
I, bbls.....280 lbs. 7.07½- —
K, bbls.....280 lbs. 7.25 - —
M, bbls.....280 lbs. 7.45 - —
N, bbls.....280 lbs. 7.50 - —
W. G., bbls.....280 lbs. 8.25 - —
W. W., bbls.....280 lbs. 8.85 - —
X, bbls.....280 lbs. 8.85 - —
Rosin, wood, New York, F. F., bbls..280 lbs. 6.25 - 7.20
K, bbls.....280 lbs. 7.15 - 8.10
M, bbls.....280 lbs. 7.70 - 8.65
N, bbls.....280 lbs. 8.05 - 9.10
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
Import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08¼- .10
Rue, bls.....lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .20 - .21
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs. .....lb. 1.73 - 2.05
Safflower, bls.....lb. .25 - .26
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.23.00 -24.00
Safrol, cns.....lb. .50 - .58
dms. .....lb. .47 - .55
Sage, Dalmatian, stemless.....lb. .06¼- .06¾
garden, bls. .....lb. .06½- .07
Sago flour, bgs.....lb. .03¼- .04¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs. .....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.11.80 -12.80
l.c.l., bgs., dlvd., N. Y.ton.14.00 -14.50
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.14.80 - —
l.c.l., dlvd. N. Y.....ton.15.50 - —
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.i.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.50 - 8.25
1-9 tons.....100 lbs. 7.65 - 8.40
less than ton lots..100 lbs. 7.90 - 8.65
gran., bbls., 10-20 tons.100 lbs. 6.50 - —
1-9 tons.....100 lbs. 6.65 - —
less than ton lots..100 lbs. 6.90 - —
powd., bbls., 10-20 tons.100 lbs. 7.50 - —
1-9 tons.....100 lbs. 7.65 - —
less than ton lots..100 lbs. 7.90 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns. 25 lbs.....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls. .....lb. .19 - .20
Sassafras bark, ord., bls.....lb. .13 - .15
select, bls.....lb. .23 - .25
Savory, bbls.....lb. .07½- .08
Saw palmetto berries, bgs.....lb. .10 - .12
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12¾- —
smaller lots .....lb. .13½- —
kegs, 5,000 lbs., 1 shipm't.lb. .13¾- —
smaller lots .....lb. .13⅝- —
Senega root, bls.....lb. .57 - .58
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2, bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd. bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. 1.10 - 1.15
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .17 - .17¼
dlvd. Boston.....lb. .17½- .18
Chicago .....lb. .18 - .18½
Pacific Coast.....lb. .19 - .19½
refd., bbls., f.o.b. N. Y....lb. .23 - .24
dlvd. Boston.....lb. .23½- .24¼
Chicago .....lb. .24 - .25
Pacific Coast.....lb. .26 - .27
Garnet, bgs.....lb. .14 - .15
Orange, D.C., VSO., Diamond, cases..lb. .21 - .22
superfine, bgs., f.o.b. Bost., N. Y..lb. .13 - .13½
dlvd. Chicago.....lb. .13½- .14
Pacific Coast.....lb. .16 - .16½
T. N., bgs., f.o.b. Bost., N.Y., lb. .12 - .12¼
dlvd. Chicago.....lb. .12½- .13
Pacific Coast.....lb. .15 - .15½
Shellac varnish, orange, 5-lb. cut, bbls..lb. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2½ tons, works.ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works.ton.19.50 - —
smaller lots, works.ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works.ton.36.50 - —
smaller lots, works.ton.38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works.ton.21.50 - —
smaller lots, works.ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works.ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .43⅝- —
Govt. purchase.....oz. .7757- —
Nitrate, vis.....oz. .33¾- .34¼
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30
Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .30 - .35
Western, bls. .....lb. .18 - .20
Skunk cabbage root, bls.....lb. .18 - .20
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .08 - .09
Smalt, black, extra velvet, ctns. lb. .06 - .08
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .09
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .10 - .11
powd., bbls.....lb. .14 - .15

Potash Muriate—Soda Cit.

Soda abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .06
Alginate, dms.....lb. .60 - —
Anti'soniate, bbls.....lb. .14¾- .15¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .13
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
powd., bbls.....lb. .13 - .14
Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.60 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.25 - —
4 .....100 lbs. 3.65 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l. .....100 lbs. .90 - —
light, 58%, bgs., c.l., works. 100 lbs. 1.03 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts. to various counties; Zone 2, Ala, Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs. or more. lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
dms., 4,000 lbs. or more..lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .53
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.49 - —
kgs., c.l. .....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y....100 lbs. 2.74 - —
Bichromate, spot, c.l., works lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
38 deg., bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms., 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 5.81 - —
jars, 25 lbs.....lb. 5.50 - —
Carbonate (see Soda ash, soda menohydrated, soda, sal)
Caustic, flake, 76%, 1, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works...100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, tanks, works..100 lbs. 1.95 - —
seller's tanks, works..... 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The same zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .06
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.....lb. .22 - —
25 lbs.....lb. .24 - .25
kgs., 100 lbs.....lb. .21 - —

Soda Citrate—Talc

Soda, citrate, U.S.P. X, gran., bbls., 250 lbs.	lb.	.26½ - —
cns., 50 lbs.	lb.	.28½ - —
25 lbs.	lb.	.30½ - .31½
kgs., 100 lbs.	lb.	.27 - —
powd., bbls., 250 lbs.	lb.	.27 - —
cns., 50 lbs.	lb.	.29 - —
25 lbs.	lb.	.31 - .32
kgs., 100 lbs.	lb.	.28 - —
Cyanide, 96-98%, dom., dms.	lb.	.16½ - .17¼
import., cs.	lb.	.16¼ - .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila.	lb.	.07¼ - —
l.c.l., 10 or over, same basis.	lb.	.07½ - —
5-9, same basis	lb.	.08 - —
1-4, same basis	lb.	.08¼ - —
95%, bbls., c.l., same basis.	lb.	.07½ - —
l.c.l., 10 or over, same basis.	lb.	.07¾ - —
5-9 same basis	lb.	.08¼ - —
1-4, same basis	lb.	.08½ - —
Soda fluoride prices at Los Angeles are f.a.s. Phila.		
Glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots.	lb.	1.00 - —
smaller lots.	lb.	1.15 - —
cns., 25 lbs.	lb.	1.40 - —
powd., bbls., 1,000-lb. lots,	lb.	1.05 - —
smaller lots	lb.	1.20 - —
cns., 25 lbs.	lb.	1.45 - —
Hydrosulphite, bbls.	lb.	.16 - .17
Hydroxide, USP, sticks, cns., 160 lbs.	lb.	.23 - .24
Hypophosphite, N.F., cns... 100 lbs.	lb.	.67 - —
Hyposulphite, cryst., large, bbls., 100 lbs.		2.40 - 2.65
pea, bbls.	100 lbs.	2.50 - 3.05
gran., bbls.	100 lbs.	2.75 - 3.30
Iodate, jars.	lb.	5.02 - 5.07
Iodide, jars	lb.	1.90 - 1.96
Mandelate, bots., 5 lbs.	lb.	3.30 - —
jars, 25 lbs.	lb.	3.20 - —
Metantiate, kgs.	lb.	.41 Nom.
Metasilicate, cryst., bbls., c.l., gran., bbls., c.l., works, 100 lbs.		2.15 - —
l.c.l., dlvd.	100 lbs.	2.60 - 2.80
Molybdate, tech., anhyd., kgs.,	lb.	No prices.
cryst., kgs.	lb.	No prices.
Monohydrated, bbls.	100 lbs.	2.00 - —
works	100 lbs.	2.30 - —
Naphthenate, bbls.	lb.	.19 - —
Naphthionate, bbls.	lb.	.52 - .54
Nitrate, crude, c.l., 100-lb. bgs., Jan.-June dlvy., f.o.b. cars producing point or ports, rail or boat shipment.	ton.	29.00 - —
200-lb. bgs., same basis,	ton.	28.30 - —
bulk, same basis.	ton.	27.00 - —
rfd., gran., bbls., 10 tons,	100 lbs.	2.50 - —
1-9 tons	100 lbs.	2.65 - —
smaller lots	100 lbs.	2.90 - —
powd., bbls., ton lots.	100 lbs.	5.65 - —
smaller lots	100 lbs.	5.90 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized.	lb.	.07 - —
c.l., West Coast, f.o.b. f.o.b. ports.	lb.	.08¼ - —
l.c.l.	lb.	.08½ - .11¼
Soda nitrite l.c.l. price range represents delivery at various points.		
Soda, oxalate, neut., bbls.	lb.	.09 - —
kgs.	lb.	.11 - —
Perborate, N.F., bbls., c.l., works.	lb.	.14¾ - —
l.c.l. works.	lb.	.15¼ - —
Phosphate, dibasic, tech., bgs., c.l., works.	100 lbs.	1.85 - —
l.c.l., works.	100 lbs.	2.25 - —
bbls., c.l., works.	100 lbs.	2.05 - —
l.c.l., works.	100 lbs.	2.40 - —
monobasic, anhyd., bbls., c.l.	100 lbs.	7.45 - —
l.c.l.	100 lbs.	8.20 - —
tribasic, bgs., c.l., works	100 lbs.	2.00 - —
l.c.l., works.	100 lbs.	2.40 - —
bbls., c.l., works.	100 lbs.	2.20 - —
l.c.l., works.	100 lbs.	2.60 - —
kgs., c.l., works.	100 lbs.	2.70 - —
l.c.l., works.	100 lbs.	3.10 - —
Picramate, kgs.	lb.	.65 - —
Prussiate, yellow, bbls., works,	lb.	.10 - .11½
Pyrophosphate, anhyd., bbls.	lb.	.10 - —
cryst., bbls.	lb.	.09½ - —
Ricinoleate, tech., bbls.	lb.	.12 - —
Sal, bgs., dlvd., N. Y. works	100 lbs.	1.20 - —
works	100 lbs.	1.00 - —
bbls., dlvd. N. Y. works	100 lbs.	1.30 - —
works	100 lbs.	1.10 - —
Salicylate, bxs.	lb.	.52 - —
Sesquisilicate, dms., c.l., works,	100 lbs.	3.00 - —
20 dms. and up, delvd. N.Y.C.	100 lbs.	3.65 - —
5-19 dms.	100 lbs.	4.10 - —
1-4 dms.	100 lbs.	4.30 - —
Silicate, 40° turbid, dms., c.l., works.	100 lbs.	.80 - —
l.c.l., 5 or more, works,	100 lbs.	1.05 - —
1-4, works.	100 lbs.	1.20 - —
52° dms., c.l., works.	100 lbs.	1.25 - —
l.c.l., 5 or more, works,	100 lbs.	1.60 - —
1-4, works.	100 lbs.	1.75 - —
Silicofluoride, dom., bbls.	lb.	.05¾ - .06
import, bbls.	lb.	.05¾ - .06
Stannate, dms.	lb.	.28½ - .31½
stearate, lump, powd., bbls., works.	lb.	.24 - —
Sulphate, anhyd., bgs., bbls., c.l., works.	100 lbs.	1.45 - 1.65
5 tons or over, works.	100 lbs.	1.70 - 1.90
less than 5 tons, works.	100 lbs.	1.95 - 2.15
cryst. (see Glauber's salt).		
Sulphide, cryst., bbls., c.l., works.	100 lbs.	2.25 - —
l.c.l., 5 tons or over, dlvd.	100 lbs.	2.75 - —
less than 5 tons, dlvd.	100 lbs.	3.00 - —
solid, bbls., c.l., works.	100 lbs.	3.00 -
l.c.l., 5 tons or over, dlvd.	100 lbs.	3.50 - —
less than 5 tons, dlvd.	100 lbs.	3.75 - —
Sulphite, cryst., bgs., works.	100 lbs.	2.10 - 2.35
bbls.	100 lbs.	2.30 - 2.55
powd., bbls., c.l.	100 lbs.	5.25 - —
l.c.l., 5 or more	100 lbs.	5.50 - —
1-4,	100 lbs.	6.00 - —
Sulphocarbolate, cs.	lb.	.27 - .28
Sulphocyanide, dms., cns.	lb.	.28 - .47
Sulphoricinoleate, bbls.	lb.	.12 - —
Thiosulphate (see hyposulphite)		
Tungstate, CP., kgs.	lb.	No prices
tech., kgs.	lb	No prices
Solvent naphtha, high-flash, dms., works, frt. equald.	gal.	.36 - —
tanks, same basis.	gal.	.31 - —
water-white, dms., works.	gal.	.35 - —
tanks, E. of Omaha, frt. alld.	gal.	.30 - —
W. of Omaha, works.	gal.	.30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works.	lb.	.26 - —
Sparteine sulphate, cns.	oz.	1.00 - 1.05
Spearmint leaves, bls.	lb.	.20 - .22
Spikenard root, bls.	lb.	.14 - .15
Spruce extract, bbls., works.	lb.	.01½ - —
tanks, works.	lb.	.01 - —
powd., bgs.	lb.	.04½ - —
super, bbls., works.	lb.	.01¾ - —
tanks, works.	lb.	.01¾ - —
Squawvine leaves, bls.	lb.	.17 - .19
Squill, red, bls.	lb.	.14 - .15
White, bls.	lb.	.06 - .07
powd., bbls., bxs.	lb.	.12 - .13
St. Ignatius beans, bgs.	lb.	.45 - .50
St. John's bread, bls.	lb.	.08½ - .09
Starch, corn, pearl, bgs.	100 lbs.	2.93 - 3.13
powd., bgs.	100 lbs.	3.03 - 3.23
Iodide, bots.	lb.	1.87 - —
Potato, dom., bgs.	lb.	.05½ Nom.
import, bgs.	lb.	.05½ Nom.
Rice, bbls.	lb.	.07¼ Nom.
Wheat, thick boil, bbls.	lb.	.07 Nom.
Staveacre seed, bgs.	lb.	.17 - .18
Stearin, oleo, bbls.	lb.	.07 - .07¼
Stillingia root, bls.	lb.	.09½ - .10
Stoneroot, bls.	lb.	.09 - .09½
Storax, cs.	lb.	.48 - .49
Stramonium leaves, bls.	lb.	.11 - .12
Seed, bgs.	lb.	.09 - .10
Strontium bromide, fib, dms.	lb.	.57 - .58
kgs., 150 lbs.	lb.	.55 - —
Carbonate, pure, bbls.	lb.	.30 - .31
Strontium, iodide, jars, 25 lbs.	lb.	2.70 - —
bots., 5 lbs.	lb.	2.76 - —
Nitrate, dom., bbls., c.l., works.	lb.	.07¾ - —
25 bbls. and over.	lb.	.08¼ - —
1-4 bbls. and over.	lb.	.08¾ - —
import, bbls.	lb.	.08½ - .09
Strophanthus seed, Kombe, bgs.	lb.	1.30 - 1.35
Strychnine, cryst., cns.	oz.	.48 - .51
powd., cns.	oz.	.38 - .41
Acetate, cns.	oz.	.64 - —
Arsenate, cns.	oz.	.66 - —
Arsenite, cns.	oz.	.64 - —
Glycerophosphate, cns.	oz.	.65 - —
Hydrochloride, cns.	oz.	.64 - —
Hydrophosphite, cns.	oz.	.75 - —
Nitrate, cns.	oz.	.58 - —
Phosphate, cryst., cns.	oz.	.65 - —
Sulphate, cryst., cns.	oz.	.42 - .46
powd., cns.	oz.	.52 - .56
Styralyl acetate, bots.	lb.	6.75 - 7.00
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works.	lb.	.45 - —
tech., bbls., l.c.l., works.	lb.	.40 - —
Sugar coloring, bbls.	gal.	.70 - 1.10
Milk, bbls, c.l.	lb.	.15 - —
l.c.l., 10 or over.	lb.	.16 - —
less than 10.	lb.	.17 - —
Sulfanilamide, 5 lb. bots.	lb.	2.20 - —
fib., dms., 1,000 lbs., 1 delivery.	lb.	1.25 - —
100 lbs.	lb.	1.80 - —
Sulphonethylmethane, kgs.	lb.	6.75 - 6.80
Sulphonmethane, kgs.	lb.	6.25 - 6.30
Sulphur, crude, bulk, 1,000 tons, mines contracts, long ton.		18.00 - —
c.l., spot, nearby, long ton.		21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.		22.00 -25.00
Bost., Portland. long ton.		22.50 -25.50
Sulphur, flowers, bgs., c.l., works. 100 lbs.		3.00 - —
bbls., works. 100 lbs.		3.25 - —
l.c.l., bgs., works. 100 lbs.		3.35 - 3.75
bbls, wks. 100 lbs.		3.70 - 4.10
refined, broken, bgs., c.l., works. 100 lbs.		2.15 - —
bbls., works. 100 lbs.		2.30 - —
l.c.l., bgs., works. 100 lbs.		2.50 - 2.90
bbls., works. 100 lbs.		2.65 - 3.05
flour, comm'l, bgs., c.l., works. 100 lbs.		1.65 - —
bbls., c.l., works. 100 lbs.		1.95 - —
l.c.l., bgs., works. 100 lbs.		1.95 - 2.35
bbls., works. 100 lbs.		2.30 - 2.70
extra fine, bgs., c.l., works. 100 lbs.		2.85 - —
bbls., works. 100 lbs.		3.20 - —
heavy, bgs., c.l., works. 100 lbs.		2.55 - —
bbls., works. 100 lbs.		2.90 - —
l.c.l., bgs., works. 100 lbs.		2.90 - 3.30
bbls., works. 100 lbs.		3.25 - 3.65
light, bgs., c.l., works. 100 lbs.		2.65 - —
bbls., works. 100 lbs.		3.00 - —
l.c.l., bgs., works. 100 lbs.		3.00 - 3.40
bbls., works. 100 lbs.		3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs.		2.30 - —
l.c.l., bbls., works. 100 lbs.		2.15 - —
roll, bgs, c.l., works. 100 lbs.		2.35 - —
bbls., works. 100 lbs.		2.50 - —
l.c.l., bgs., works. 100 lbs.		2.70 - 3.10
bbls. works. 100 lbs.		2.85 - 3.25
Chloride, 65-gal. dms., c.l.	lb.	.03 - —
l.c.l., dms., works.	lb.	.04 - —
10-gal. dms., c.l.	lb.	.07 - —
l.c.l.	lb.	.08 - —
Dioxide, liq., com'l, cyls., works.	lb.	.07 - .09
multi-unit cars, works.	lb.	.04½ - .07
tanks, works	lb.	.04 - .08
refrigeration, cyls., works.	lb.	.16 - .40
multi-unit cars, works.	lb.	.07½ - .10
Iodide bots., jars.	lb.	3.80 - 3.85
Sumac, grd., Silician, bls.	ton.	62.00 - —
leaf, bales.	ton.	67.00 - —
Extract, 42°, bbls.	lb.	.05¼ - .06¼
51°, bbls.	lb.	.06½ - .08½
stainless, bbls.	lb.	.08½ - .09¼
Sunflower seed, Calif., large, bgs.,	lb.	.05¼ - .05½
medium, bgs.	lb.	.05¼ - .05¾
poultry, bgs.	lb.	.05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto.	ton.	9.00 - —
run-of-pile, basis 16%, bulk, same basis.	ton.	8.50 - —
triple, 44-45%, a.p.a. bulk, f.o.b. Balto. unit-ton.		.85 Nom.

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Talc., dom., Calif., 1, bgs., c.l., mills.	ton.	20.00 - —
2, bgs., c.l., mills.	ton.	17.00 - —
N. Y., fibrous, 93-94%, 325 mesh, bgs., c.l., mills.	ton.	14.00 - —
l.c.l., mills.	ton.	16.00 - —
93-98%, 325 mesh, bgs., c.l., mills.	ton.	15.00 - —
l.c.l., mills.	ton.	17.00 - —
98-88 %, 325 mesh, bgs., c.l., mills.	ton.	15.25 - —
l.c.l., mills.	ton.	17.25 - —

PERHAPS THIS NEW SYNTHETIC WAX WILL LOWER YOUR PRODUCT COST

Into the highly complex field of commercial waxes comes CERCON, a refined mineral product which is supplied in six colors: Snowdrift, Lemon, Orange, Tangerine, Apricot and Olive.

Having an ASTM penetration of 50 with the 50 gram weight attached, CERCON has a wide scope of commercial uses. In many of these uses it offers the manufacturer or compounder a substantial saving over the material now in use, such as ceresin and ozokerite.

Without attempting to further analyze the application of CERCON to any given product or process, we offer test samples to any interested user of this type of material.

Your inquiry will be promptly acknowledged

The Conewango Refining Co.
WARREN, PENNSYLVANIA

Talc, dom., N. Y., fibrous, 99.85-99.95%, 325 mesh, bgs., c.l., mills...ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills. ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Canad., bgs., c.f., dlvd....ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs., l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l., ex whse.....ton.27.50 -32.50
Italian, I, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .06¾ Nom.
extra, loose, works.....lb. .05¾- —
special, loose, works.....lb. .05¼- .05½
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l .....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., 10-12%, ammon., 15-20% b.p.l., bulk ....unit-ton. 3.00 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk.....unit-ton. 2.80 & .10
fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk Chicago ..unit-ton. 2.75 & .10
high-grade feeding, bulk, Chicago..unit-ton. 3.00 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, shipt. unit-ton. 3.25 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03¼- .03½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .28¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .77 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .25 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 90% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 -
Thyme, French, bls.....lb. .19 - .20
Thymol, bots., 100 lbs.....lb. 1.65 -
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Tin crystals, bbls., kgs.....lb. .33 - .33½
Metal, Straits.....lb. .41⅜- —
Oxide, bbls.....lb. .48 - .50
Tetrachloride, anhyd., bbls...lb. .21 - —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l., (20 tons) E., frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal..lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse..lb. .24½- —
50-999 lbs., E. dlvd..lb. .24¾- —
Pac. cst., ex whse...lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E. frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, bgs., c.l., E. frt. alld.....lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
l.c.l., E. dlvd.....lb. .06¼- —
Pac. cst., ex whse..lb. .06¼- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E. frt. alld...lb. .06¼- —
l.c.l., E. dlvd.....lb. .06¾- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .26 - .27
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, c.c. .77 - —
l.c.l. works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .55
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, cn., dlvd.....lb. .30 - .41
dms., c.l., dlvd.....lb. .26½- —
500 lbs., dlvd.....lb. .27 - —
2, cns., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .26 - —
Triethanolamine, dms., c.l., works. lb. .21 - —
l.c.l., works.....lb. .23 - —
tanks, works.....lb. .20 - —
Triethylenegiycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms....lb. .34 - .35
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works. ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tri-basic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .05¼- .06
Madras, bgs.....lb. .06½- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .31½- —
l.c.l., 10, ex dock.....gal. .33½- —
5, ex dock.....gal. .35½- —
wood, dest.-dist., dms., c.l., dlvd. E. cities, ports...gal. .36 - —
l.c.l., same basis....gal. .38 - —
tanks, dlvd. E. cities..gal. .32 - —
steam-dist., dms., c.l., dlvd.gal. .30 - —
l.c.l., dlvd.....gal. .33 - —
tanks, dlvd.....gal. .25 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium Oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
low-acid, 42% N, bgs., 20 tons, f.o.b. Atl. or Gulf ports or Belle, W. Va.....ton.67.00 - —
bulk, same basis.....ton.64.00 - —
import, 46% N, bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .11 - .12

V

Valerian root, bls.....lb. .12 - .13
Valonia, beards, bgs., shipt..ton.37.50 - —
Cups, bgs., shipt.....ton.52.00 - —
Vanilla beans, Bourbon, tins...lb. 3.35 - 3.75
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 4.00 - 4.25
South American, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, 25-lb. tins, 5-lb. tins.....lb. 3.20 - —
lb. 3.10 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo root bark, bls.....lb. .58 - .60
Tree bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton.39.75 -41.75
Extract, bbls.....lb. .04½- —
Wax, bayberry, import, bgs...lb. .16¾- .17
Bees, white, bleach, slabs, cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .25 - .25½
1 bg.....lb. .25¼- .26
Brazil, Chile, bgs., 5-10 tons..lb. .27 - .27½
1 ton.....lb. .27½- .28
500 lbs.....lb. .28 - .28½
100 lbs.....lb. .28½- .29
refd., slabs, cs., lbs...lb. .35 - .39
Candelilla, bgs., 1 ton.....lb. .13½- .14
jobbing lots.....lb. .14 - .14½
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .33 - .33½
5 bgs.....lb. .33½- .34
1 bg.....lb. .34 - .34½
N. C. 2, bgs.....lb. .39 - .40
N. C. 3, bgs., 1 ton.....lb. .34 - .34½
5 bgs.....lb. .34½- .35
1 bg.....lb. .35 - .35½
refined, bgs.....lb. .37 - .38
yellow, No. 1, bgs., 1 ton..lb. .42 - .42½
5 bgs.....lb. .42½- .43
1 bg.....lb. .43 - .43½
No. 2, bgs.....lb. .41 - .42
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°-160° m.p.,bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10¼- .10½
Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11¾
less than 1 ton.....lb. .11½- .12
Ozokerite, dard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes, cs .....lb. .24 - .25
White lead (see Lead, white).
White pine bark, russed, bls...lb. .06 - .06¼
White precipitate, powd., bots. 5 lbs..lb. 1.89 - —
dms., 50 lbs., or more..lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., blp. bgs., c.l., works.ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., blp., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -19.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, blp. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, blp., bgs., c.l., workston.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Whiting, chalk, Paris white, blp., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., ton.. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis.....ton. 6.25 - —
gilders, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works, ton.13.50 - —
4-8 tons, works....ton.14.50 - —
2-4 tons, works....ton.15.50 - —
putty grade, bgs. (extra), c.l., works ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs, (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .05
rossed, bls.....lb. .06¼- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11
Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .08 - .06¾
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs., ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs.....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), comi dms., works. gal. .35 - —
tanks, E. of Omaha, frt. alld.. gal. .30 - —
W. of Omaha, works...gal. .30 - —
nitration tanks, E. of Omaha, frt. alld...gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .36 - —
W of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .38

Y

Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.00
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .51 - —
smaller lots, same basis, lb. .56 - —
kgs., ton lots, same basis.lb. .56 - —
smaller lots, same basis, lb. .61 - —
sulphide, orange, bbls., works, lb. 1.50 - 1.60
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .13⅜- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.87 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C bbls., works.....lb. .02 - —
D bbls. works .....lb. .01¾5- —
E, bbls., works.....lb. .01775- —
F bbls., works.....lb. .01¼ - —
G bbls., works.....lb. .01¼- —
H bbls works .....lb. .01¾- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02¾- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle...lb. .03- —
San Pedro, S. Francisco lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans.... lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle..lb. .03½- —
San Pedro, S. Francisco. lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03¾- —
Minneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle..lb. .03⅜- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y. from dock. lb. .02¾- —
from whse.....lb. .02¾- —

Talc—Zinc Sulpho.

Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N. Y..lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06½ —
l.c.l., works .....lb. .06¾- —
Persian orange (see O).
Zinc, bbls., same basis chrome CP. contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .10 - .11
Yohimbine hydrochloride, vis..oz. 2.50 - 2.55

Z

Zinc, acetate, USP., bbls., 250 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, ngs., cs., c.l., dealers, E. of Rockies..lb. .10½- —
l.c.l., bgs., cs.....lb. .11 - —
Arsenite, bgs., cs., c.l., dealers, west of Rockies..lb. .13 - —
l.c.l., bgs., cs.....lb. .13½- —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP, precip., powd., bbls..lb. .31 - —
dms. .....lb. .36 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works... 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
gran., U.S.P., dms., 200 lbs.. solution, dms., works....lb. .04½- —
tanks, works.....lb. .0225- —
lb. .25 - —
jars, 25 lbs.....lb. .31 - —
Cyanide, kgs., works.....lb. .36 - .38
Dust, bbls., c.l., dlvd.....lb. .0740- —
l.c.l., bbls., dlvd.....lb. .08 - —
Fluoride, bbls.....lb. .20 - .25
Iodide, N.F., bots.....lb. 4.15 - —
jars .....lb. 4.00 - —
Metal (see daily quotations in Market report).
Oxide, pigments, dom., Amer., process, comi., lead-free, bgs., c.l., dlvd..lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac, cst., lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac. est..lb. .06¾- .08
leaded, 5%, bgs., c.l., dlvd..lb. .06½- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
bbls., c.l., dlvd....lb. .06¾- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse.,Pac.cst.lb. .06¾- —
35%, bgs., c.l., dlvd.lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cts..lb. .06½- —
ex whse., Pac. cst.lb. .06½- —
50%, bgs., c.l., dlvd..lb. .06 - —
l.c.l., dlvd., except Pac. cst..lb. .06¼- —
ex whse., Pac. cst.lb. .06¼- —
bbls., c.l., dlvd.....lb. .06¼- —
l.c.l., dlvd., except Pac. cst..lb. .06¾- —
ex whse., Pac. cst.lb. .06¾- —
French process, comi., lead-free, bgs., c.l., dlvd., lb. .06¼- .07½
l.c.l., dlvd., except Pac. cst..lb. .06½- .07¾
ex whse., Pac. cst.lb. .06½- .07¾
bbls., c.l., dlvd.....lb. .06½- .07¾
l.c.l., dlvd., except Pac. cst..lb. .06¾- .08
ex whse., Pac cst.lb. .06¾- .08
green seal, bgs.,c.l.,dlvd., lb. .08 - —
l.c.l., dlvd., except Pac cst..lb. .08¼- —
ex whse., Pac. cst.lb. .08¼- —
bbls., c.l., dlvd.....lb. .08¼- —
l.c.l., dlvd., except Pac. cst..lb. .08½- —
ex whse., Pac. cst.lb. .08½- —
red seal, bgs., c.l., dlvd., lb. .07½- —
l.c.l., dlvd., except Pac. cst..lb. .07¾- —
ex whse., Pac. cst.lb. .07¾- —
bbls., c.l., dlvd.....lb. .07¾- —
l.c.l., dlvd., except Pac. cst..lb. .08 - —
ex whse., Pac. cst.lb. .08 - —
white seal, bgs., c.l., dlvd., lb. .08½- —
l.c.l., dlvd., except Pac. cst..lb. .08¾- —
ex whse., Pac. cst.lb. .08¾- —
bbls., c.l., dlvd.....lb. .08¾- —
l.c.l., dlvd., except Pac. cst..lb. .09 - —
ex whse., Pac. cst.lb. .09 - —
import., gold seal, cks. ex whse..lb. .13 - .14
green seal, bbls., ex whse., lb. .10 - —
white seal, cks., ex whse., lb. .11 - .12½
Oxide, USP, bbls., c.l.....lb. .09½- —
Palmitate, bbls.....lb. .23 - .30
Resinate, fused, pale, bbls...lb. .10 - —
precip., dms., dlvd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l..lb. .20 - —
l.c.l., 1 ton.....lb. .21 - —
1,000-2,000 lbs.....lb. .22 - —
less than 1,000 lbs..lb. .23 - —
USP, bbls.....lb. .21 - —
Sulphate, cryst., bgs., c.l.100 lbs. 3.15 - —
l.c.l. .....100 lbs. 3.90 - —
bbls., c.l.....100 lbs. 3.30 - —
l.c.l. .....100 lbs. 4.00 - —
flake, bgs., c.l.....100 lbs. 3.00 - —
l.c.l. .....100 lbs. 4.35 - —
bbls., c.l.....100 lbs. 3.75 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.00 - —
l.c.l. .....100 lbs. 5.75 - —
bbls., c.l.....100 lbs. 5.15 - —
l.c.l. .....100 lbs. 6.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd..lb. .09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09¼- —
bbls., c.l., (20 tons), dlvd..lb. .09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst..lb. .09½- —
Sulphocarbolate, NF, bbls...lb. .24 - .30

TWO IMPORTANT ADDITIONS TO

THE **G-E GLYPTAL** LINE

2466

2466 Glyptal Solution is an improved vehicle, designed mainly for use in high-grade pigmented materials for both interior and exterior application. This is a straight oil-modified alkyd with ability to retain the high gloss of architectural whites in contrast to the dulling tendency of other vehicles designed for this purpose. It is extremely durable on exposure and easy-brushing.

2500

2500 Glyptal Solution is a phenolic and oil-modified alkyd resin solution. It possesses fast drying speed, toughness, water resistance, and excellent behavior with pigments. It is designed for use in the formulation of medium-priced, quick-drying finishes and is an excellent material for indoor as well as outdoor applications.

For complete information write to Section M-8411, Appliance and Merchandise Department, General Electric Co., Bridgeport, Conn.

GENERAL ELECTRIC

GLYPTAL

APPLIANCE AND MERCHANDISE DEPARTMENT • GENERAL ELECTRIC COMPANY • BRIDGEPORT, CONNECTICUT

Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb. .05 - —
l.c.l., dlvd. except Pac. cst..lb. .05½- —
ex whse., Pac. cst..lb. .05½- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 73-75%, grd.,bbls., works..ton.75.00 -100.00
kgs., small lots, works..lb. .04½- .04½
white, 98%, grd., kgs., works. lb. 1.40 - 1.60

Synthetic Resins
and other
Branded Paint Materials
(Manufacturers' List Prices)

A

Abalyn resin, 55-gal. dms., nonreturnable, works..lb. .16 - —
Aroclors, distilled, dms., c.l., works..lb. .23 - —
ton lots, works.....lb. .25 - —
single dms., works.....lb. .27 - —
undistilled, dms., c.l., works.lb. .18 - —
ton lots, works.....lb. .20 - —
single dms., works.....lb. .22 - —

B

Bakelite, gooks, BK, 3962, XK 6791, dms., 30,000 lbs.,works.lb. .22½- —
15,000 lbs., works.....lb. .23 - —
5,000 lbs., works.....lb. .23½- —
lacquer, XR 2342, dms., 30,000 lbs, works..lb. .38 - —
15,000 lbs., works.....lb. .38½- —
5,000 lbs., works.....lb. .39 - —
3180, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
4357, dms., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works.....lb. .46 - —
5,000 lbs., works.....lb. .47 - —
9448, dms., 30,000 lbs., works..lb. .35 - —
15,000 lbs., works.....lb. .36 - —
5,000 lbs., works.....lb. .37 - —
phenolic, 100%, BR, 254, bbls., 30,000 lbs., works..lb. .45 - —
15,000 lbs., works...lb. .46 - —
5,000 lbs., works...lb. .47 - —
1329, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works...lb. .34 - —

U.S. Revenue: October

Collections of excise taxes by the Bureau of Internal Revenue, Washington, for October, 1937, compared with October, 1936, follows:—

Taxes Collected

	October 1937.	October 1936.
Chewing gum....	$102,016.05	$103,068.65
Crude petroleum, processed, etc...	82,677.47	71,896.98
Coconut, etc., oils, processed	2,739,672.76	2,687,820.51
Distilled spirits, domestic, excise tax $2 per gallon	26,297,393.69	25,507,264.23
Distilled spirits, imported, excise tax $2 per gallon	3,416,567.36	2,825,004.24
Distilled spirits, rectification tax, 30c. per proof gallon	1,390,099.45	1,222,166.73
Gasoline	18,267,971.77	21,024,801.81
Lubricating oils..	2,581,168.07	2,966,616.33
Matches	285,752.34	471,390.23
Narcotics, including special taxes	19,603.86	19,893.72
Oleomargarin, excise taxes.....	109,666.00	93,069.90
Oleomargarin, special taxes.....	51,884.17	40,006.45
Toilet preparations—		
At 5 percent...	677,913.57	697,699.43
At 10 percent...	782,171.83	693,982.06
Transportation of oil by pipeline..	983,846.68	996,163.65
Total internal revenues	$284,249,925.33	$199,247,607.82

Quantities Taxed

	October 1937.	October 1936.
Distilled spirits, domestic, tax gallons.....	13,132,252	12,729,339
Distilled spirits, imported, tax gallons...	1,708,284	1,412,502
Destilled spirits, rectified, proof gallons....	4,633,665	4,073,889
Oleomargarin, colored, pounds	64,620	51,856
Oleomargarin, uncolored, pounds.....	41,281,600	35,092,100

Zinc ore vein, said to promise commercial development, has been discovered by Elwood Hewitt and his six brothers in prospecting operations in the vicinity of Sparta, N. J.

Quicksilver mining practice is informatively discussed in information circular No. 6966 of the United States Bureau of Mines. The information, compiled by M. W. von Bernewitz, covers mining and treating of quicksilver ores; describes types of retorts and other furnaces, telling who makes them, what they cost to get and to operate; describes tabling and flotation concentrating; and gives production and price data. A limited number of copies of the circular are available for free distribution at the bureau's section of publications, Washington.

Bakelite, phenolic, 100%, 2987, bbls., 30,000 lbs., works..lb. .32 - —
15,000 lbs., works...lb. .33 - —
5,000 lbs., works...lb. .34 - —
3369, bbls., 30,000 lbs., works..lb. .42 - —
15,000 lbs., works...lb. .43 - —
5,000 lbs.. works....lb. .44 - —
4006, bbls., 30,000 lbs., works..lb. .55 - —
15,000 lbs., works..lb. .56 - —
5,000 lbs., works....lb. .57 - —
4036, bbls., 30,000 lbs., works..lb. .40 - —
15,000 lbs., works..lb. .41 - —
5,000 lbs., works....lb. .42 - —
6882, bbls., 30,000 lbs., works..lb. .42½- —
15,000 lbs., works..lb. .43½- —
5,000 lbs., works....lb. .44½- —
8900, bbls., 30,000 lbs., works..lb. .48 - —
15,000 lbs., works..lb. .49 - —
5,000 lbs., works....lb. .50 - —
9476, bbls., 30,000 lbs., works..lb. .28 - —
15,000 lbs., works..lb. .29 - —
5,000 lbs., works....lb. .30 - —
XR, 4503, dms., 30,000 lbs., works..lb. .56 - —
15,000 lbs., works..lb. .57 - —
5,000 lbs.. works....lb. .58 - —
modified, BR 302, dms., 30,000 lbs., works..lb. .26 - —
15,000 lbs., works...lb. .26½- —
5,000 lbs., works...lb. .27 - —
2072, bbls., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2175, cns., 30,000 lbs., works..lb. .23 - —
15,000 lbs., works...lb. .23½- —
5,000 lbs., works...lb. .24 - —
2963, bbls., 30,000 lbs., works..lb. .24 - —
15,000 lbs., works...lb. .24½- —
5,000 lbs., works...lb. .25 - —
solutions, XJ, 180, dms., 30,000 lbs., works..lb. .179 - —
15,000 lbs., works.....lb. .184 - —
5,000 lbs., works.....lb. .189 - —
431, dms., 30,000 lbs., works, lb. .226 - —
15,000 lbs., works.....lb. .231 - —
5,000 lbs., works.....lb. .236 - —
2681, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
3100, dms., 30,000 lbs., works..lb. .19½- —
15,000 lbs., works.....lb. .20 - —
5,000 lbs., works.....lb. .20½- —
6000, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
6359, dms., 30,000 lbs., works..lb. .26½- —
15,000 lbs., works.....lb. .27 - —
5,000 lbs., works.....lb. .27½- —
7506, dms., 30,000 lbs., works..lb. .30 - —
15,000 lbs., works.....lb. .30½- —
5,000 lbs., works.....lb. .31 - —
8263, dms., 30,000 lbs., works..lb. .22 - —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23 - —
8264, dms., 30,000 lbs., works..lb. .21½- —
15,000 lbs., works.....lb. .22½- —
5,000 lbs., works.....lb. .23½- —
8344, dms., 30,000 lbs., works..lb. .383 - —
15,000 lbs., works.....lb. .393 - —
5,000 lbs., works.....lb. .403 - —
9405, dms., 30,000 lbs., works..lb. .33 - —
15,000 lbs., works.....lb. .34 - —
5,000 lbs., works.....lb. .35 - —

C

Cumar, AX, dms., works.....lb. .06 - —
BX, dms., works.....lb. .06 - —
CX, dms., gross weight, works, lb. .05 - —
DX, dms., gross weight, works, lb. .04 - —
EX, dms., gross weight, works, lb. .04 - —
FX, dms., gross weight, works, lb. .05 - —
MH, col. ½, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
MS, dms., works.....lb. .10 - —
P, 10°-90° C., col. 3 and darker, dms., works..lb. .10½- —
RH, dms., works.....lb. .10 - —
RS, dms., works.....lb. .10 - —
special soft, dms., works...lb. .10 - —
V, col. ½, dms., works....lb. .12 - —
1, dms., works.....lb. .11 - —
1½-2, dms., works.....lb. .10 - —
2½ and darker, dms., works, lb. .09 - —
W, col. ½, dms., works.....lb. .13 - —
1, dms., works.....lb. .12 - —
1½-2, dms., works.....lb. .11 - —
2½ and darker, dms., works, lb. .10 - —

Cumar prices include frt. equald. with Pittsburgh; prices on contracts terminating June, 1938, are ¼c. per pound lower.

D

Durez, 202, dms., c.l., works..lb. .45 - —
l.c.l., works.....lb. .47 - —
210, dms., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
210, extra pale, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- —
500, dms., c.l., works.....lb. .32 - —
l.c.l., works.....lb. .33 - —
525, dms., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .26 - —
550, dms., c.l., works.....lb. .29 - —
l.c.l., works.....lb. .30 - —

Durez prices ex warehouse at Pacific Coast and Gulf points are 3c. per pound additional. C.l. (36,000 pounds) price will apply on c.l. of mixed resins. Contracts covering 3 months for price protection only.

Durite,1,301 dms.,1 ton,frt.alld..lb. .30 - —
smaller lots, frt. alld....lb. .35 - —

G

G, resin, dms., gross weight, works, frt equal. with Phila., lb. .08¼- —

G resin prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Guai-a-phene, 10-gal. cns., works, gal. 2.57 - —
5-gal. cns., works.....gal. 2.62 - —
1-gal. cns., works.....gal. 2.82 - —
dms., works.....gal. 2.50 - —

H

Hercolyn, dms. (nonreturnable), works..lb. .22 - —

J

Jesite (see Zinc-iron oxide pigment in regular price list above).

K

Kadox (zinc oxide), black, or red label, bgs., c.l., dlvd..lb. .06¼- —
l.c.l., dlvd. E. of Rockies.lb. .06½- —
Pac. cst., ex whse.....lb. .06½- —
bbls., c.l., dlvd.....lb. .06½- —
l.c.l., dlvd. E. of Rockies.lb. .06¾- —
Pac. cst., ex whse.....lb. .06¾- —

N

Nevillac, dms., works.....lb. .16 - —

Nevillac prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Neville resin, R-1 nevindene, col. ½, dms., works..lb. .13 - —
R-3, nevindene, col. 1, dms., works..lb. .12 - —
R-5, nevindene, col., 1½-2, dms., works..lb. .11 - —
R-6, nevindene, col., 2½-3½, dms., works..lb. .10 - —
R-7, N.P.S., col. below 3, dms , works..lb. .12 - —
R-8, N.P.S., col. below 3, dms., works..lb. .12½- —
R-9, hard, col. ½, dms., works. lb. .12 - —
R-10, hard, col., 1, dms., works..lb. .11 - —
R-11, hard, col. 1½-2, dms., works..lb. .10 - —
R-12, hard, col. 2½ and darker, dms., works..lb. .09 - —
R-13, medium, col. ½, dms., works..lb. .12 - —
R-14, medium, col. 1, dms., works..lb. .11 - —
R-15, medium, col. 1½-2,dms., works..lb. .10 - —
R-16, medium, col. 2½ and darker, dms., works..lb. .09 - —
R-17, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-19, medium soft, col. 3½-8, dms., works..lb. .10 - —
R-21, soft, col. 3½-8, dms., works..lb. .10 - —
R-22, special, soft, col. 3½-8, dms., works..lb. .10 - —
R-27, medium soft, col. 1, dms., works..lb. .12½- —
R-28, medium soft, col. 1½-2, dms., works..lb. .11½- —
R-29, medium soft, col. 2½ and darker, dms., works..lb. .10½- —
R-41, phenester, col. 3½-5, dms., works..lb. .17 - —

Neville resin prices are freight equalized with Phila.; prices on contracts terminating June, 1938, are ¼c. per pound lower; Los Angeles and San Francisco ex whse., 3c. per lb. extra.

Nevillite, dms., works.....lb. .35 - —
oil, dms., works.....lb. .45 - —
Nevinol, dms., works.....lb. .15 - —
2 heavy, dms., works.....lb. .11 - —
Nuba, 1, 80°-95° C., dms., gross weight, works..lb. .03 - —
2, 100°-125° C., dms., gross weight, works..lb. .03 - —

Zinc-Ammo.—Vinylite

Nuba, 3, 135°-150° C., dms., gross weight, works..lb. .04 - —

Nuba resin prices are freight equalized with Phila.; prices on contracts terminating June, 1938, are ¼c. per pound lower. Los Angeles and San Francisco ex whse., 3c. per pound extra.

Nuodex drier, cobalt, 4%, dms., dlvd. E. of Kas. City.....lb. .19½- .21½
6%, dms., same basis.....lb. .24½- .26½
8%, dms., same basis.....lb. .32½- .34
10%, dms., same basis.....lb. .43 - .43¾
cobalt 3%-lead 30%, dms, same basis..lb. .20 - —
cobalt 1%-zinc 10%, dms., same basis..lb. .22½- —
copper, 4%, dms., same basis.lb. .12 - —
6%, dms., same basis.....lb. .14 - .16
iron, 4%, dms., same basis..lb. .11 - —
6%, dms., same basis.....lb. .13 - —
10%, dms., same basis.....lb. .21 - —
lead, 16%, dms., same basis..lb. .10½- .11½
24%, dms., same basis.....lb. .14 - .15
32%, dms., same basis.....lb. .18 - .20
34%, dms., same basis.....lb. .19 - .20
lead 30%—cobalt 3% (see Cobalt).
lead 30%—manganese 3% (see Manganese).
manganese, 4%, dms., same basis..lb. .12½- —
6%, dms., same basis.....lb. .13 - .14
8%, dms., same basis.....lb. .15 - .16
10%, dms., same basis.....lb. .22 - —
manganese 3%—lead 30%, dms., same basis..lb. .17 - —
mercury, 25%, dms., same basis..lb. .55 - —
zinc, 5%, dms., same basis..lb. .13 - .14
8%, dms., same basis.....lb. .16½- .17½
12%, dms., same basis.....lb. .22 - .23
zinc 10%—cobalt 1% see (Cobalt).

P

Paradene, 1, dms., gross weight, wks., frt. equal, with Phila. lb. .04 - —
2, same basis.....lb. .04 - —
3, same basis.....lb. .05 - —
Pliolite, milled, dms., 1 ton, works..lb. .75 - —
smaller lots, works.....lb. .79 - —
unmilled, dms., 1 ton, works.lb. .66 - —
smaller lots, works.....lb. .69 - —

S

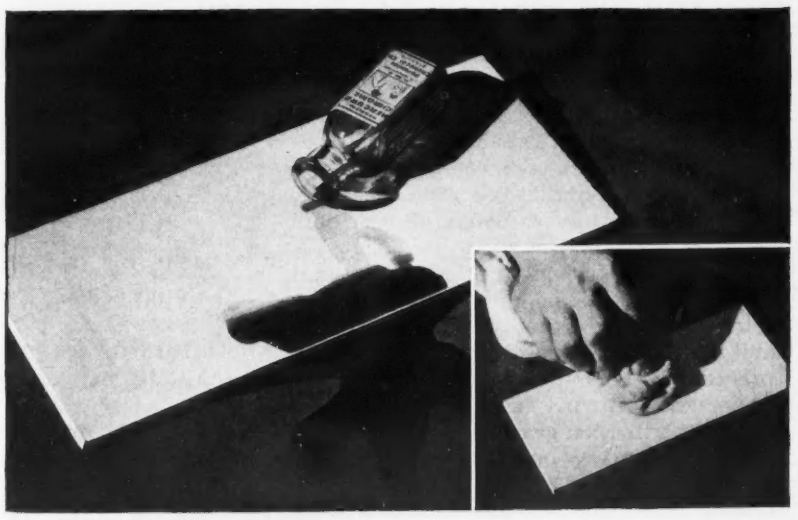
Surfex, bgs., c.l., frt. alld. up to 25c. per 100 lbs..ton.35.00 - —

T

Tornesit, bgs., ton lots, works..lb. .37 - —

V

Vinylite, AYAA, AYAF, AYAT, dms., 200 lbs., f.o.b. cars, works, frt. paid by seller to destination, E. of Mississippi river..lb. .45 - —
smaller lots, works.....lb. .60 - —
VYHF, dms., 200 lbs., works, lb. .55 - —
smaller lots, works.....lb. .65 - —
VYHH, dms., 200 lbs., works.lb. .57 - —
smaller lots, works.....lb. .67 - —
VYNT, dms., 200 lbs, works.lb. .75 - —
smaller lots, works.....lb. .85 - —
VYRR, dms., 200 lbs., works.lb. .55 - —
smaller lots, works.....lb. .65 - —



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PHENOLIC RESINS

Oil, Paint and Drug Reporter

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Busting or Trusting

If the recent utterances of evidently inspired spokesmen for the Federal administration are any criterion, trust-busting bids fair to become as large a part of the governmental program as it was in the administration of the first Roosevelt. It may be as necessary in certain instances as it was then, but it does not square with other items of the administration's program, which carry on the purposes unsuccessfully attempted in the NRA and the AAA.

This apparent inconsistency is not difficult to understand if the confusion of the antitrust laws is taken into clear consideration. These laws have a dual purpose, and the reconciliation of their two objectives has always been too much even for the supreme court. This duality exists because the antitrust laws attempt to make competition fair and at the same time free, but fail adequately to define either "fairness" or "freedom."

Successfully to combat price-cutting that is patently unfair to competition without setting up price-fixing that is a no lesser evil from the standpoint of the consumer is practically an impossibility for business under the antitrust laws, in spite of the limited permission granted by the Tydings-Miller act. A way out of the difficulty was sought in the NRA and the AAA, but these efforts failed because no valid means had been found of exercising the governmental control believed to be necessary. Apparently the administration's distinction between a good trust and a bad one is that the former submits to governmental supervision of its competitive restrictions.

The term, "monopoly," is not accurately applied to the purpose of the NRA and the AAA, because this was directed to collective, rather than exclusive, practices. "Monopoly" and "combination" are words that add to the antitrust laws' confusion. Because labor is specifically exempted from the provisions of these laws, the fact that the administration does not frown on labor's combinations and monopolies is technically outside the issue.

But, the actions of labor have been, perhaps, the most potent influence behind what are now characterized as monopolistic pricing practices. Business has not profiteered on its higher labor costs. In its honest endeavor to pay these, it should be trusted, not busted.

Better Selling Is Desirable

The best resolution that business can make for the new year is that it will endeavor to do a better job of selling. This does not mean that it should endeavor merely to increase its sales; in fact, bigness in any respect is not always best for business. Economically, as well as physically, adipose tissue is generally a detriment.

The better job of selling that business will find helpful is not confined to the distribution of goods. It starts with the making of goods that can be sold on their merits, and it includes the making of them under conditions for which, also, no excuses must be found.

Better selling means knowing markets—where they are and how to reach them and develop them effectively and economically. It calls for ability to serve these markets to their best advantage—not that the customer is always right, for he is not, but that he should always be treated right, neither cudgeled nor coddled, as circumstances appear to require. Better selling means that the market is always the seller's. He can handle it better than anybody else, and as long as he does this, does a satisfactory job of selling, the market will be his to handle.

The seller who is blown about hither and thither by the winds of competitive selling or those of competitive buying is never the best seller in his field. Usually his prime objective is bigger selling, and all too often he finds that his endeavors have added only fat and no muscle to his structure. Sound growth is good for business, but growth is far less important than soundness, and a business, like a man, has an optimum mature stature.

This is the reason why there is a widespread belief that big business must in some way be bad. There is no actual correlation, but the assumption is often true—physical bigness, as in a man, is often a temptation for its misuse. However big a business is, or however small, it can do a better job of selling. And not the least part of this is the selling of itself, wherein, also, merit is fundamental.

—O-P-D—

Maintaining Good-Will

To sell itself effectively, in the face of the vital necessity that this be done, business must look upon good-will public relations as something constantly to be maintained, not an expediency when more or less deserved disaster threatens. It must look upon the maintenance of public relations as something other than plausible propaganda, must regard it as a job to be objectively purposed and to be done, not as special pleading, but with full consideration that the record be clean and clear.

There is a job here for somebody in every business enterprise. There is a bigger job for the trade associations of the several industries. And there is a gigantic job to be done for business as a whole. These jobs call for honest, as well as skillful, workmanship. Cleverness must be matched defensively against derogatory cleverness; but it is of far greater importance that the story of business be made known in a manner that will leave no loopholes for either clever or factual attack.

The encouraging thing is that business can tell its story with lasting effect if it will but set its prime purpose to the utter elimination of that which should not exist to be related. The whole truth should be good; for then none can weaken the case of business by adducing unsavory exceptions, which all too frequently can be and are made acceptable, not as proof of the professed rule from which they differ, but as the actual rule.

It will not be enough, as some suggest, that a million business leaders become salesmen of the good that is business and talk their wares to all they know. What will count is what they say and what they mean. Others can talk to these same audiences individually and collectively. They do talk, and they talk more convincingly in far too many instances than those who speak for business. It will not be enough to cite impressive figures of achievement, to point with fairly justifiable pride to a high standard of living, to make comparisons that are not complete — while openings are left for those who do not like business to emphasize the scores of "but's" which are common knowledge and a thousand others which their fertile imaginations can provide.

—O-P-D—

For a Sound Housing Act

It is to be hoped that the construction industries and financial agencies that are not antipathetic to real estate investments have studied the separate housing bills passed by the house and the senate and will be able constructively to advise Congress in respect thereof while the adjustment of their differences is pending. It is desirable that such sound, constructive advice be given to Congress in order that a practicable housing plan, proof against undesirable repercussions, be authorized.

The purpose of the housing act is of such vital economic importance that nothing should be permitted to handicap its effectuation. There are certain provisions in the pending measures which cannot be given unqualified endorsement. Some of these seem to be more stimulative of speculative ventures than of housing improvement or sound investment.

Another thing to be guarded against for the assurance of success of the housing plan is a provision that may block opportunity for economies in the cost of materials and of labor. These costs have been handicaps to housing improvement—and to the general economic welfare.

—O-P-D—

Soybean Oil For Varnish

Because it is an annual plant, the soybean has been more rapidly naturalized in the United States than has its fellow Oriental oilseed, the tung nut. This has not been a wholly pleasing development in the eyes of American agriculture, because the oil from the soybean is chiefly competitive with products of longer-established crops, and it has not had a particular appeal to American manufacturing, because the increasing domestic supply of soybean oil did not diminish the necessity of importing tung oil, which has much better drying properties.

The picture appears to have been retouched with more pleasing tints by the report that it has been found possible to make a varnish of excellent lasting properties using no oil other than soybean oil. If the reported results will stand commercial tests, the recurrently vexatious drying oil problem will be solved.

Varnish is but one of many products for which the soybean appears to be well adapted as raw material. It may be that this naturalized Oriental will prove a boon in agricultural diversification and national self-sufficiency.

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Producers' Guide to New Markets Technical Information for Processors

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(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

2-Amino-4-acetyl-3-methyl-1:1′-diphenyl Ether

Textile

Starting point (Brit. 453953) in making—
- Dyed or printed red colors of fine purity of shade and fastness to kier-boiling with—
  - 2:3-Hydroxynaphthoic-4′-chlor-2′-methoxyanilide
  - 2:3-Hydroxynaphthoic-5′-chlor-2′-methylanilide
  - 2:3-Hydroxynaphthoic-3′:4′-dichloroanilide
  - 2:3-Hydroxynaphthoic-2′:5′-dimethoxyanilide
  - 2:3-Hydroxynaphthoic-4′-methoxy-2′-methyl-anilide
  - 2:3-Hydroxynaphthoic-2′-methylanilide
- Dyed or printed scarlet-red colors of fine purity of shade and fastness to kier-boiling with—
  - 2:3-Hydroxynaphthoic-3′-chlor-2′-ethoxyanilide
  - 2:3-Hydroxynaphthoic-4′-chlor-2′-methoxyanilide
  - 2:3-Hydroxynaphthoic-2′-methoxy-5′-methylanilide
  - 2:3-Hydroxynaphthoic-3′-methylanilide
  - 2:3-Hydroxynaphthoic-4′-methylanilide

Ammonium Acid Phthalate

Leather

Buffer (Brit. 444184) in—
- Obtaining level dyeings with acid or substantive dyes (the dyed effects are said to have great resistance to soap and alkalies)

Betapara-normal-cyclohexylphenylbutyric Acid

Leather

As a wetting and penetrating agent (Brit. 449865)

Miscellaneous

Modifier (Brit. 449865) of—
- Surface tension of liquids

Wetting and penetration agent (Brit. 449865) in—
- Dye liquors used in the dyeing of furs, feathers, and the like (said to promote better saturation of the product with the color and more level shades)
- Various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting

Paper

As a wetting and penetrating agent (Brit. 449865)

Textile

Bleaching

Wetting agent (Brit. 449865) in—
- Bleaching processes

Dyeing

Wetting and penetrating agent (Brit. 449865) in—
- Dye baths (used to secure better and even penetration of the color into the yarn or fabric)

Finishing

Wetting and penetrating agent (Brit. 449865) in—
- Scouring operations
- Washing operations

Manufacturing

Wetting and penetrating agent (Brit. 449865) in—
- Mercerizing

Printing

Wetting and penetrating agent (Brit. 449865) in—
- Printing pastes and processes (used to obtain better and even impregnation of the fabric by the color)

Bismuth Oleate-Quinate

Pharmaceutical

Claimed (Brit. 443860) to be—
- Assimilable organic bismuth salt

Butyl Formate

(Ameisensauresbutylester, Formiate Butilique, Formiate de Butyle, Formico de Butil, Formico di Butile, Formylsauresbutylester)

Analysis

Solvent for—

Cellulose derivatives	Natural resins
	Synthetic resins

Solvent miscible with—

Alcohols	Hydrocarbons
Ethers	Oils

Cellulose Products

Solvent for—
- Cellulose acetate (some types)
- Cellulose ethers
- Nitrocellulose

Ceramics

Solvent in—
- Compositions, containing natural or synthetic resins, cellulose acetate, nitrocellulose, or other cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Intermediate in—
- Organic syntheses

Solvent for—
- Cellulose acetate
- Cellulose ethers
- Nitrocellulose

Solvent miscible with—

Alcohols	Hydrocarbons
Ethers	Oils

Cosmetic

Solvent in—
- Nail enamels and lacquers containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers as base material
- Perfume compositions

Dry-Cleaning

Spotting agent for—
- Resins

Electrical

Solvent in—
- Insulating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Glass

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Solvent in—
- Adhesive compositions containing natural or synthetic resins, nitrocellulose, cellulose acetate, or others esters or ethers of cellulose

Leather

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabrication

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Solvent in—
- Coating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

Ingredient of—

Dopes	Paint removers
Enamels	Paints
Lacquers	Varnishes

Reagent for—
- Imparting great strength to films

Solvent for—

Benzyl abietate	Glyptols (with alcohols)
Cellulose acetate	Mastic
Cellulose ethers	Natural resins
Copals	Nitrocellulose
Cumar	Shellac
Dammar	Synthetic resins
Elemi	
Ester gum	

Paper

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Pharmaceutical

Solvent miscible with—

Alcohols	Ethers
Oils	Hydrocarbons

Photographic

Solvent in making—
- Films from cellulose acetate, nitrocellulose, or other ethers or esters of cellulose

Plastics

Solvent in making—
- Laminated fiber products
- Molded products
- Plastics from or containing natural or synthetic resins, cellulose acetate, nitrocellulose, or other cellulose esters or ethers

Resins

Solvent for—

Benzyl abietate	Glyptols (with alcohol)
Copals	Mastic
Cumar	Natural resins
Dammar	Sandarac
Elemi	Shellac
Ester gum	Synthetic resins

Solvent in making—
- Artificial resins from or containing cellulose acetate, nitrocellulose, or other cellulose esters or ethers

Rubber

Solvent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Solvent in—
- Compositions, containing natural or synthetic resins, cellulose acetate, nitrocellulose, or other cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

Solvent in—
- Compositions, containing natural or synthetic resins, cellulose acetate, nitrocellulose, or other cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Solvent in—
- Compositions, containing natural or synthetic resins, cellulose acetate, nitrocellulose, or other cellulose esters or ethers, used as protective and decorative coatings on woodwork

Gamma-4-normal-butyl-cyclohexylbutyric Acid

Leather

As a wetting and penetrating agent (Brit. 449865)

Miscellaneous

Modifier (Brit. 449865) of—
- Surface tension of liquids

Wetting and penetration agent (Brit. 449865) in—
- Dye liquors used in the dyeing of furs, feathers, and the like (said to promote better saturation of the article by the color and more level shades)
- Various processes involving aqueous solutions, such as soaking, washing, impregnating, penetrating, wetting

Paper

As a wetting and penetrating agent (Brit. 449865)

Textile

Bleaching

Wetting agent (Brit. 449865) in—
- Bleaching processes

Dyeing

Wetting and penetrating agent (Brit. 449865) in—
- Dye baths (used to secure better and even penetration of the color into the yarn or fabric)

Finishing

Wetting and penetrating agent (Brit. 449865) in—
- Scouring operations
- Washing operations

Manufacturing

Wetting and penetrating agent (Brit. 449865) in—
- Mercerizing

Printing

Wetting and penetrating agent (Brit. 449865) in—
- Printing pastes and processes (used to obtain better and even impregnation of the color into the fabric)

2-Paratolylthiolquinolin Methiodide

Dye

Process material (Brit. 454687) in making—
- Cyanin dyes

Potassium Acid Adipinate

Leather

Buffer (Brit. 444184) in—
- Obtaining level dyeings with acid or substantive dyes (the dyed effects are said to have great resistance to soap and alkalies)

Potassium 2-Hydroxydiphenyldisulphonate

Cosmetic

Protectant (U.S. 2015005) in—
- Oils, creams, and lotions against harmful effects of light of short wave length (sunburn)

Sodium Acid Adipinate

Leather

Buffer (Brit. 444184) in—
- Obtaining level dyeings with acid or substantive dyes (the dyed effects are said to have great resistance to soap and alkalies)

Sodium 2-Hydroxydiphenyldisulphonate

Cosmetic

Protectant (U.S. 2015005) in—
- Oils, creams, and lotions, against harmful effects of light of short wave lengths (sunburn)

Heavy Chemicals

Potash Perchlorate Prices Higher for 1938—Tin Salts Lower —Alkalies Firm—Calcium Chloride Active—Fluorspar Slow —Chlorine Quiet—Barium Chloride Continues Strong

Business in the market for industrial chemicals continued dull during the week. The dull character of the call reflected the letdown in operations of the basic industrial units, together with preparations being made for the taking of year end inventory. However, general sentiment was that inventories were down to a minimum, and a slight betterment was expected after the turn of the new year. Changes in the market included a fractional advance in potash perchlorate for 1938. Tin salts were lower, reflecting a decline in the basic metal.

Although demand was somewhat restricted during the week, sellers continue to report substantial progress in renewing 1938 contracts. Potash perchlorate prices were issued for the first quarter of 1938 showing a fractional advance. Soda stannate, tin crystals and tin anhydrous tetrachloride were lower, reflecting the decline in the price of the basic metal. Alkalies were firm. Barium salts were irregular, carbonate was quiet because of the building stoppage, which has adversely affected both brick making and the glass business. Alums were firm, but current business was somewhat restricted. Calcium chloride continued to enjoy a good demand as the result of the continuance of cold weather in many sections of the country. Flurospar was slow, steel operations continued to decline at 19.2 percent of capacity, as compared with 23.5 percent in the preceding week and 29.6 percent a month ago, while operations a year previous were at 77 percent. Steel makers look forward to the opening weeks of 1938 to bring an improvement in buying in all lines, it was reported. Automotive production in United States and Canada is estimated at 67,230 units last week, a decrease of approximately 15,000 units from the preceding week and compares with 81,482 units in the same week a year ago.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Potash perchlorate, ½c. per lb.

Reduced

Soda stannate, ½c. per lb.
Tin crystals, 1c. per lb.
tetrachloride, anhydrous, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.5	154.5	154.3	153.7

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.6	99.6	99.7	99.5

Market news that may have developed after this report was sent to press will be found on page 4.

Alums.—The demand for iron free alum continued irregular; sellers reported that quotations were being well maintained at previous levels. Ammonia and potash alums displayed a firm tone, with quotations ruling unaltered.

Ammonia, Anhydrous. — Quiet characterized this market throughout the week. Developments of importance were lacking and consumers apparently were content to mark time until after the turn of the year. No change was disclosed in quotations.

Ammonia, Aqua. — Shipments were moving against contracts at a fair clip at times during the week. However, commitments were held to conservative quantities in most instances. Quotations remained unchanged from preceding week.

Ammonia Bicarbonate.—Demand was somewhat restricted as the result of holiday and year-end inventory taking influences. Sellers were looking forward to 1938. Prices remained unchanged from those prevailing previously.

Antimony.—Spot domestic antimony price remained at 13¾c. per pound, unchanged from the preceding week. Demand continued quiet.

Antimony Oxide. — Developments of importance were lacking in this market during the week under review. Sellers were concentrating on renewal of 1938 contracts at levels previously issued.

Arsenic.—Business in the market for white arsenic continued irregular, with quotations well held at previous levels. The call for red arsenic was confined to moderate quantities. Sellers revealed that quotations were being well sustained.

Barium Salts.—Sellers reported substantial progress in renewing 1938 contracts for barium chloride at levels issued a few weeks ago. The market for carbonate is somewhat quiet, owing to the practical stoppage of building, which has adversely affected both brick making and glass business. November business was down considerably and the outlook for the past month has not been impressive. Sellers reported prices for hydrate were firm.

Bleaching Powder.—A slackening of demand was evident in this market during the week. Usual consumers apparently were content to mark time in view of the inventory taking period, and consequently restricted commitments accordingly. Quotations revealed no change from those prevailing previously.

Blue Vitriol.—A firm tone prevailed in this market. Although current business was quiet, sellers were looking forward to 1938. Quotations were maintained at levels prevailing in the preceding period.

Calcium Chloride.—A good business continued to prevail in this market. The continuance of cold weather in various sections of the country provided a fair call from these districts. Sellers reported that prices ruled unaltered from those in force previously.

Chlorine. — This market continued to mark time, although the current demand was somewhat restricted by the usual seasonal influences, sellers were looking forward to the early part of 1938 for increased business. Quotations ruled unchanged.

Copper.—The market continued quiet throughout the week. Domestic copper remained at 10⅛c. per pound delivered Connecticut Valley base. The leading producers are still adhering to a figure of 11c. a pound delivered Connecticut Valley base. The holiday was largely accountable for the reduced demand, with the foreign markets closed for a three-day period. The export market was somewhat easier later in the week, ranging from 9.70c. per pound, c.i.f. European base ports, to 11.05c. per pound. It is believed that the actual consumption of copper during November averaged about 42,000 tons when it is taken into consideration that the institute statistics only takes into account the shipments during the month to fabricators and these do not present actual consumption figures. December figures may be even further from actual production levels, because of the fact that it is the practice of fabricators to reduce their year end stocks of the metal as much as possible.

Copperas. — Reflecting the reduced operating schedules of certain consuming industries, business in this market moved at a slow pace. Steel operations declined to 19.2 percent of capacity, compared with 23.5 percent a week ago, and 29.6 percent a month ago. Prices ruled unchanged.

Fluorspar. — Business in this market continued slow, reflecting the reduced operating schedule of the steel industry, which declined to the lowest level of the year at 19.2 percent of capacity as the result of the holiday shut downs and inventory-taking period. Quotations were well sustained.

Lead Acetate. — Although current business was somewhat moderate as the result of the usual seasonal influences, sellers were booking business for early 1938 delivery at current levels.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 6

TURNER
LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
83 EXCHANGE PL. PROVIDENCE
RIDGEFIELD, N. J. 630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

Sift Proof
Water Proof
Acid Resistant
Your Brand
Fulton
WATER-PROOFED · · PAPER-LINED
Bags
Let us quote on your requirements—any quantity from 1,000 to carload lots.

Chemicals, pigments or any product that requires sift-proof and moisture-proof containers, should be packed in Fulton water-proof, paper-lined bags.

The special processing of burlap and cotton goods with paper, cementing the two with various waterproof adhesives such as asphalt, glue and latex, provides a bag that is strong, sift-proof and moisture-proof.

These bags are *much cheaper* than metal drums or barrels — they are easier to handle and to store.

Fulton water-proof, paper-lined bags are available for prompt delivery from St. Louis to the West and Middle West, and from Atlanta to the East.

Write for prices and full information

FULTON BAG & COTTON MILLS
Atlanta Minneapolis St. Louis Kansas City, Kansas
Dallas New York New Orleans

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE
30 CHURCH ST.

Nickel Salts. — Sellers were concentrating efforts on renewal of contracts for 1938 at unchanged quotations issued the previous week. Current demand was slow.

Potash Carbonate. — This market moved through another quiet week. Demand was slowed down considerably by the approach of the year end, but despite the seasonal lull, prices were well sustained.

Potash, Caustic.—A fair call was evident in this market throughout the week just closed. However, it was evident that consumers were giving consideration to year end inventories, and commitments were held to conservative quantities. Prices ruled firm.

Potash Chlorate.—A firm tone ruled in this market throughout the week. The situation as far as demand was concerned remained restricted in view of seasonal influences. No change was uncovered in quotations.

Potash Perchlorate.—Prices for 1938 have been advanced ½c. per pound. Although current business was slow during the week, sellers were awaiting the turn of the year in anticipation of increased activity from manufacturing consumers.

Potash Permanganate.—The call in this market was negligible. Despite the fact that business showed the effects of the slowing down in many consuming lines, prices were well maintained at previous levels.

Saltcake.—Business was highly irregular, although some consumers, including the Kraft paper manufacturers were ordering out supplies in moderate quantities. The glass industry was virtually shut down for the holidays and inventory taking purposes. Sellers reported that prices were unaltered from the preceding period.

Saltpeter.—Sellers were reported to be busily engaged in renewing 1938 contracts at prices published in the preceding week, showing an increase of 50c. per 100 pounds.

Soda Ash.—Shipments were moving against contracts at an irregular pace throughout the week. Certain consumers, including the glass industry, were reported to be virtually closed down for inventory purposes, while other manufacturers were pursuing a hand-to-mouth policy. Sellers revealed that prices were unchanged. The government of Sind is considering the establishment of one or more large plants for production of alkalies, such as soda ash. An investigation of existing deposits of natural alkalis in Sind is to be undertaken by the assistant director of industries, according to the office of the American trade commissioner at Calcutta.

Soda Bicarbonate.—A fair demand was displayed in this market at times during the week. Sellers reported that prices were holding steady to firm.

Soda, Caustic, — A slackening of demand was again evident with usual consumers following a conservative policy, which is customary at this particular time of the year. Prices ruled unchanged.

Soda Cyanide.—Orders from the plating industry were somewhat retarded by year end influences. No change was uncovered in prices.

Soda Silicofluoride.—A steady tone was displayed in this market throughout the week. Sellers were looking hopefully to 1938. Inventory taking in certain consuming industries has limited current business, it was reported. Prices ruled unchanged.

Soda Sulphide.—Prices are being well maintained at current levels. The increase in price of salt cake has had a stiffening tendency on those making soda sulphide direct, as salt cake is their raw material.

Tin Salts. — Further unsettlement in the price for Straits tin during the week was reflected in lower prices for Soda stannate, tin crystals and tetrachloride, anhydrous of tin. Tin afloat in the United States is 4,618 tons. Tin arrivals so far last month have been 5,958 at Atlantic ports and 120 tons at the

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 6

Here's the Waterproof Duck about to start quacking, Listen to him—he's an expert on packing.

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• • •

If you had to shiver in the snow and rain,
If you had to ride on a rickety train,

If you were jostled and jarred in a truck,
And slid in the mud and dumped in the muck,

If you were cracked—as I hope you're not—
And your contents spilled all over the lot,

If you had to sit in a cold, damp cellar,
Instead of being the buyer or seller,

If you were your product instead of the boss,
You'd want to be packed to avoid all loss.

You'd get a Bemis Waterproof Bag—

A bag that is proof against water and moisture,
And you'd be as snug as a pearl in an oyster.

For a Bemis Waterproof Bag is stout—
Nothing gets in and nothing gets out.

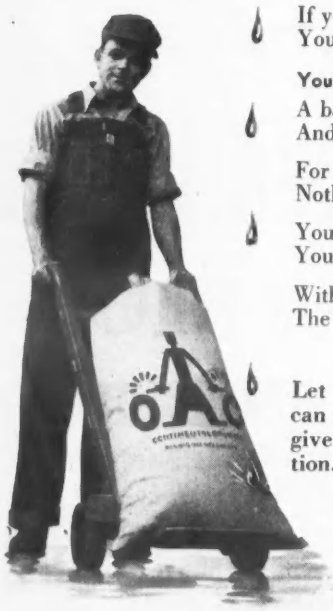
You'd find upon close examination
You traveled safe to your destination.

With your trademark tattooed right on your chest,
The buyer that got you would rank you the best.

• • •

Let us show you how Bemis *Waterproof* Bags can reduce your packing and shipping costs and give your products complete "en route" protection. Write today for information and sample bag.

Bemis 3-ply protection. • **Burlap or cotton cemented to siftproof paper with a flexible waterproof adhesive.**



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5102 Second Ave., Brooklyn, N. Y.

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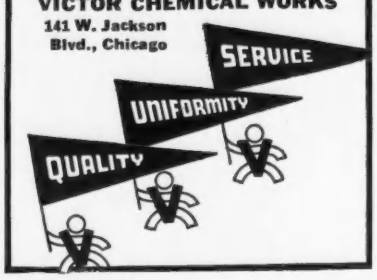
OXALIC ACID

Guaranteed 99.8% pure or better

Free from corrosive sulphuric and hydrochloric acids. Three crystallizations: large, small and powdered. Uniform mechanical condition.

VICTOR CHEMICAL WORKS
141 W. Jackson Blvd., Chicago



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Imported CRYOLITE 98/100% Snow White
Warehouse Stocks in New York and Baltimore
CUNO SIEVERS INC. • ESTABLISHED 1908 • 101 Cedar Street New York
BArclay 7-3858-3859-3865

HEAVY and INDUSTRIAL CHEMICALS
INTERNATIONAL SELLING CORP. 26 Beaver Street NEW YORK

SULPHUR

Stauffer
. . . . constantly dependable for half a century
BORIC ACID : CARBON TETRACHLORIDE BORAX TITANIUM TETRACHLORIDE CAUSTIC SODA SULPHUR CHLORIDE SULPHUR SILICON TETRACHLORIDE CREAM OF TARTAR SULPHURIC ACID CARBON BISULPHIDE : TARTARIC ACID
STAUFFER CHEMICAL COMPANY
624 California St. San Francisco, Cal. • 2710 Graybar Bldg. New York, N. Y. • Freeport Texas
Carbide and Carbon Bldg. Chicago, Ill. Rives-Strong Bldg. Los Angeles, Cal.
Stauffer

KESSCOCIDE 95
ALPHA NAPHTHYL ISO-THIOCYANATE
A NEW SYNTHETIC INSECTICIDE
COLORLESS SOLUTIONS
ODORLESS
ECONOMICAL
NON STAINING
INQUIRIES SOLICITED
KESSCO PRODUCTS
THE KESSLER CHEMICAL CORPORATION
DELAWARE AVE. AND MIFFLIN ST. PHILADELPHIA, PA.

Pacific ports. Warehouse stocks here are unchanged at 2,279 tons. Tin plate production is about 50 percent of capacity, or much higher than for the industry as a whole. Despite the shrinkage of world consumption of tin the statistical situation is still sound.

Acids

Quiet again characterized the market for mineral acids in the final week of the year. Several consuming manufacturers were operating at the lowest levels so far this year. This partly was influenced by the intervening holidays and the inventory period. Although current business remained seasonally dull, prices were steady to firm. Sulphuric acid was highly irregular, partially because of the reduced operating schedules of the steel industry, which were at 19.2 percent of capacity, the lowest level of the year, compared with 23.5 percent in the preceding week, and 29.6 percent last month. Acetic acid was firm. Formic and nitric acids continued quiet.

Acetic.—Although current business was quiet, with usual consumers concerned with inventory taking and thereby restricting commitments, sellers were concentrating their efforts on renewing 1938 contracts at levels previously published.

Formic.—This market was more or less a drab affair the past week. Developments of importance were lacking, and usual consumers were marking time until after the turn of the year. Prices were unchanged.

Muriatic.—A firm tone was displayed in this market throughout the week under review. Current business, however, was in keeping with reduced operating schedules of certain consuming lines. Sellers reported quotations remained unaltered.

Nitric.—Quiet again characterized the market. The disposition on the part of certain consumers to follow a hand to mouth policy at this time of the year could be ascribed as the reason for the dullness. No change was reported in prices from those prevailing previously.

Sulphuric.—Reflecting the reduced operating schedules of certain major consumers, business in this market was highly irregular. Prices were well maintained. Steel operating declined again to the lowest level of the year at 19.2 percent of capacity, as compared with 23.5 percent a week ago and 29.6 percent in the corresponding week last month. Output of sulphuric acid in Great Britain and Ireland during the year ended June 30, 1937, of 1,077,400 long tons, was the highest on record since the World War by a considerable margin. A gain of 10 percent was recorded from the previous year, 18 percent from 1934 to 1935, and 26 percent from 1933 to 1934. The upward trend continued during the first six months of 1937, with production recorded at 564,400 long tons as compared with 530,100 tons during the corresponding month of 1936. Plants operated at 85.6 percent of total capacity, also the highest figure recorded since the World War.

BALTIMORE, Dec. 29.—Extreme quiet prevails in the market for sulphuric acid, with the requirements of manufacturers of fertilizer mixtures held in abeyance, and with the needs of other consumers also reduced to relatively small proportions. Rumors circulate that some of the steel makers have large backlogs in the way of orders for their products, but for some reason are not in a hurry to fill them, and have made heavy cuts in the number of employes. As far as the wants of the fertilizer men go, they are about at the low ebb of the year, and will not gain any impetus until after the holidays, some time in January. Estimates as to the output of mixtures put the tonnage for the spring shipping season at perhaps 75 percent of the corresponding period of 1937, with the demand for acid likely to be proportionately reduced. Nevertheless the quotations are maintained at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Much the same state of affairs prevails relative to oleum, the calls for which are sharply reduced, but with the figures adhered to by the producers still around $17 per ton for 20 percent stocks.

Insecticides

Business in the market for agricultural insecticides and fungicides remained very dull. Sellers were concentrating attention on forward business after the turn of the year. Quotations were maintained at levels prevailing previously. The appearance of the "sigatoka" disease in banana plantations on the Pacific coast of Guatemala has caused considerable alarm. It appears that thus far the disease has occurred principally in the Escuintla section. While climatic conditions on the Pacific coast are less favorable for the advancement of the disease than on the Atlantic coast, the cost of combating it is high and it is difficult for private planters to effectively control it. It is reported that experiments thus far made indicate that mechanical spraying every fifteen days is essential if the disease is to be eradicated. It has also been found that the plant must be sprayed from the time growth commences and for that reason it is preferable to cut to the ground all plants in affected areas, which of course delays production, according to the office of the American commercial attache at Guatemala.

Warner Chemical Company Exhibit at 1937 Chemical Exposition
Salesmen Smith and McNeil listen to Dr. L. D. Vorce, inventor of the Vorce Cell.

Calcium Arsenate.—This market was a drab affair. Developments of importance were lacking, with demand confined to negligible proportions because of the usual seasonal influences. Prices ruled steady to firm.

Lead Arsenate.—Sellers were anxiously looking forward to the new year, and were busily engaged in renewing 1938 contracts. Current business was slow, but prices were well sustained at previous levels.

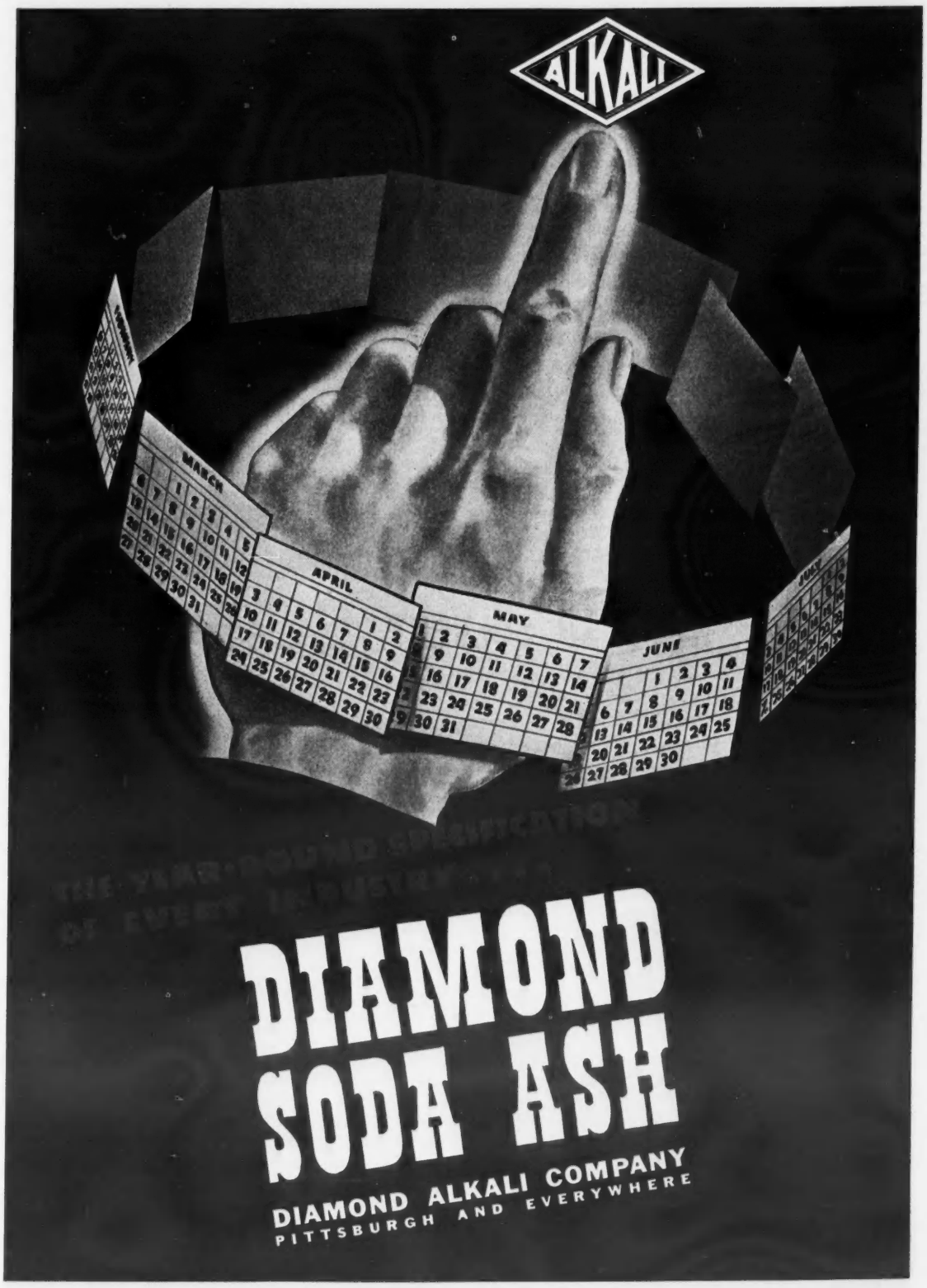
Nicotine Sulphate.—A firm tone was evident in this market throughout the week under review. Business continued to move along at a minimum, but sellers were marking time until the turn of the year. No change was disclosed in quotations.

Salt Freights Advanced

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Delaware, Lackawanna & Western railroad on salt from Retsof on the Genesee & Wyoming; between Genesee and Wyoming, Piffard and Watkins Glen; from Solvay and Syracuse to points in New England Trunk Line and Central Freight Association territories, all rates increased 2c. per hundredweight; effective December 20.

Perry & Derrick Company, Cincinnati, paint and varnish manufacturer, employees have been given a bonus equal to ten percent of their yearly wages.



SUCCESSFUL RECOVERY

..thanks to shorter boiling ranges

Short boiling range makes important reductions in solvent loss during recovery operations, and promotes quick completion of evaporation or drying processes.

Close and careful cutting makes possible the exceptionally short boiling ranges of Barrett Coal-Tar Solvents. This feature is characteristic of those of both low and high initial points.

Barrett Coke Oven Light Oil Distillates include Benzols, Toluols, Xylols, Solvent Naphtha and Hi-Flash [Solvent with a wide range of initial and end points. Write for our convenient specification chart and for complete information about Barrett Coal-Tar Solvents. Inquiries for special solvents are invited and will receive the careful attention of experts in the manufacture and application of coal-tar solvents.

BENZOL · TOLUOL · XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT

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Barrett CHEMICALS

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Coaltar Chemicals

Benzol Continues Quiet—Naphthalene and Toluol Remain Slow —Phenol Steady—Creosote Oil and Cresol Firm —November By-Product Output Shows Decline

The market for coaltar chemicals continued quiet during the past week. Consuming manufactures obviously were content to mark time in view of the intervening holidays and the usual year-end inventory period. Sellers in most instances were concentrating their attention on 1938 business. Although current business reflected the seasonal influences, prices were reported steady to firm.

Benzol was spotty throughout the week. Prices continued firm, with sellers booking a fair amount of business for the first quarter delivery. Steel operations were scheduled at 19.2 percent of capacity, against 23.5 percent a week ago and 29.6 percent a month ago, while at the same time last year operations held at 77 percent. Toluol was slow, reflecting the decline in operating schedules of the major automobile producers. A fair call was noted for creosote oil. Cresol was firm. Naphthalene was slow, while phenol was steady. Coaltar acids remained quiet. Intermediates continued highly irregular, and coaltar colors were firm, although current business continued dull.

For three consecutive months the output of coke has shown a decline from the preceding month. The average daily production in November, amounting to 114,073 tons, was 17.9 percent under the October average of 138,922 tons, and 27.9 percent less than the March high record of 158,127 tons. Compared with the rate prevailing in November a year ago, there was a decrease of 20.9 percent.

The production of byproduct coke for the 30 days of November amounted to 3,225,556 tons, or 107,519 tons per day, a decrease of 17.4 percent from the October average of 130,195 tons. Practically all of the decrease occurred at furnace plants, where operations were curtailed 23.9 percent; at merchant coke plants the loss was only 0.8 percent. During the same period the production of pig iron dropped 28.3 percent. There were 84 plants making coke in November, of which 81 made ammonia and 56 made benzol.

Output of beehive coke continued its downward trend, the November production of 170,400 tons being 24.9 percent less than that of October, and 24.5 percent under the rate obtained in November a year ago.

Stock piles at byproduct plants at the end of November were 6.9 percent higher than at the beginning of the month. Furnace plants increased their stock piles by 7.7 percent, while at merchant plants reserves exceeded those of October by 6.4 percent.

River commerce in coke via the Allegheny River increased 19.3 percent during November, while shipments over the Ohio River dropped 33.4 percent.

There was little change in the prices asked for coke, a small decline being noted in the case of Connellsville furnace coke, according to the United States Bureau of Mines.

Coking coal charged in by-product ovens during November amounted to 4,573,397 tons, against 5,722,945 in October, and 5,744,300 tons in November, 1936. Total for the first eleven months aggregated 66,275,312 tons, compared with 57,073,200 tons in the same period a year ago. Light oil, November output was 13,308,574 gallons, against 16,653,769 in October, and 16,715,913 gallons in November, 1936. Total for the eleven months was 192,861,157 gallons as compared with 166,083,012 gallons in the same period last year. Tar production in November was 40,520,295 gallons, against 50,705,294 in October, and 50,894,498 gallons in November, 1936. Total for the first eleven months was 587,188,264 gallons, against 505,668,552 gallons in the same period last year. Benzol production was 7,472,000 gallons in November, against 9,610,000 in October, and 9,633,000 gallons in November, 1936. Total for the eleven months was 110,674,000 gallons, as compared with 94,710,000 gallons in the same period last year. Ammonia production during November amounted to 50,234 tons, against 62,806 in October, and 63,059 tons in November last year. Total for the first eleven months was 733,700 tons, against 626,592 tons in the same period last year. Stocks of coke at by-product plants during November totaled 8,114,094 tons, against 8,066,931 in October, and 8,146,434 tons in November, 1936.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	123.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—The call continued spotty at times throughout the week. Quotations remained steady to firm at levels previously in force. Steel operations continued to decline at 19.2 percent of capacity, against 23.5 percent in the preceding week and 77 percent in the corresponding week last year, reflecting the holiday shutdowns at several mills for inventory taking purposes. Benzol production in November totaled 7,472,000 gallons, against 9,610,000 gallons in October, and 9,633,000 gallons in November last year. Total production for the first eleven months this year aggregated 110,674,000 gallons, as compared with 94,710,000 gallons in the corresponding period last year.

Cresol.—A firm price tone was maintained in this market. However, consumers were pursuing a conservative policy, ordering out supplies to take care of immediate requirements.

Creosote Oil.—A fair call was noted in this market during the week under review. Sellers reported a good contract business at levels announced in the preceding week.

Cresylic Acid.—Business continued at an irregular pace. Manufacturing consumers apparently willing to mark time until the turn of the year before replenishing their supplies. Prices remained firm at levels previous in force.

Napthalene.—Quiet continued to characterize the market for crude napthalene during the week under review. The market for refined napthalene was dull. Sellers were concentrating on 1938 business. No change was disclosed in quotations.

Phenol.—Business in this market remained fair at times during the week. The synthetic resin industry was withdrawing supplies in moderate amounts, while other consumers were placing orders to take care of immediate needs. Price continued firm at previous levels.

Toluol.—Demand was somewhat restricted throughout the week, reflecting the seasonal letdown of certain consuming industries. Quotatons were well maintained at previous levels. Automobile production continued to tend lower with output estimated at 67,230 units, compared with 82,025 for the previous week and 81,482 for the corresponding week a year ago. Part of the decrease was ascribed to the Christmas holidays, while certain plants are continuing curtailed schedules or shutting down entirely until after the turn of the year.

Xylol.—A firm tone prevailed in this market. Business continued rather slow as the result of seasonal influences. Prices ruled unchanged.

Chicago Coaltar Bases

Good demand for benzol has been something of a feature of the general coaltar bases market here recently. Supply has

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 6

continued to be restricted, by virtue of slower steel industry operations. Other products in the market are rather slow, with quotations mostly unchanged. Ruling prices are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic.—Activity was slowed down considerable in this market during the week. Consumers were apparently content to mark time until after the turn of the year. Despite the dullness, prices ruled firm.

Benzoic.—A slackening of demand was evident, with consumers ordering out supplies when needs became urgent. Sellers were looking forward to the new year for increased activity. Prices were unchanged from preceding period.

Broenner's.—A firm tone ruled in this market throughout the week. The general slackening of business, customary at this time of the year, reduced commitments to negligible proportions.

Gamma.—Developments of importance were lacking for the period just ended. Consumers probably had sufficient supplies on hand to take care of immediate requirements, and were content to await the turn of the year. No change was uncovered in quotations.

Picric.—Quiet characterized this market for the most part during the week. Quotations were reported well held at levels prevailing in the preceding week.

Salicylic.—Shipments were moving against contracts at a quiet pace. Despite the seasonal dullness, sellers revealed that prices were well sustained at previous levels.

Sulphanilic.—This market presented a rather drab affair last week. Consumers purchasing in conservative quantities to take care of immediate requirements. Sellers reported prices were steady to firm.

Tobias.—The market moved through another quiet week. The intervention of the holidays and usual year end inventory influenced purchases. No change was uncovered in prices.

Other Intermediates

Alphanapthol.—Business in this market was confined to routine proportions as consumers were content to make use of supplies on hand before coming into the market for additional commitments. Prices continued steady to firm.

Anilin Oil.—Shipments were moving against contracts at a fair clip at times, although the seasonal influences had much to do with restricting beyond immediate requirements. No change was uncovered in quotations.

Anthraquinone.—A quiet week again characterized this market. Developments of particular significance were lacking, while consumers were pursuing a watchful policy until after the turn of the year. Sellers reported no change in prices.

Benzidin Base.—In view of the slow operating rate of certain consuming industries, business in this market continued rather drab at times throughout the week. Sellers, however, revealed that quotations were well held at previous levels.

Bethanapthol.—A firm tone was prevalent in this market during the week under review. However, current business was somewhat slow. Despite the seasonal dullness sellers were looking ahead to probable increased activity after the turn of the year.

Dinitrobenzene.—The call in this market was somewhat restricted during the past week. The general slowing down of business as the year end approached was largely accountable for the reduced demand. Prices were well sustained at levels previously in force.

Dinitrotoluene.—Quotations remained firm during the week, although current business was slow at times. Sellers reported considerable progress was made in writing 1938 contracts.

Metatoluylenediamine.—Business remained highly irregular throughout the week under review. No development of importance were uncovered, although prices continued at the same levels at the preceding period.

Nitrobenzene.—In the absence of any particular demand, this market continued to mark time until the turn of the year. Although business was slow, prices remained the same as those in force previously.

Orthodichlorobenzene.—Demand continued good at times during the week. Sellers were concentrating attention on 1938 business. Quotations were well maintained at levels in force the preceding week.

Paratolunidin.—A firm tone was evident in this market the past week. Current business was confined to small quantities, however, at prices prevailing last week.

R Salt.—Another dull and featureless week prevailed, buyers continued to adhere to a conservative buying policy. Quotations were unaltered.

Schaeffer's Salt.—This market continued rather dull during the week under review. Usual consumers were ordering out supplies only when needs became urgent. Prices were well sustained at level prevailing in the preceding period.

Toluidin.—Business in this market continued dull, reflecting the usual seasonal trend of activity, together with the disposition of consumers to mark time until after the turn of the year. No changes was uncovered in quotations.

Coaltar Colors

Business in the market for coaltar colors continued quiet during the week. Consumers were apparently marking time with operating schedules considerably reduced. Although current business remained seasonally dull, prices were well sustained at previous levels. Operations in the rayon weaving mills showed little change from the previous weeks. Discussions among mill selling agents and large buyers were undertaken with a view to extending the original period of the curtailment program which cotton print cloth mills initiated early this month. The present program calls for reduction of about 25 percent in operations for December, January and February. This is credited in some quarters with having set off the buying movement which in the last few weeks has brought increased sales and advancing prices to gray goods. Dye shipments to China from Japan have increased in recent years and Japan has become an extremely important element in the China market for the cheaper colors. In 1935, the latest year for which details are procurable, China accounted for 74 percent of the quantity and 64 percent of the value of Japan's exports of synthetic dyes. Shipments of synthetic dyes to China have been curtailed since the beginning of the incident in July, with a consequent sharp decline in total exports, according to the office of the American commercial attache at Tokyo.

Curtis R. Burnett, president of the American Oil & Supply Company, Newark, N. J., gave a party a short time ago in the Down Town Club of that city for business associates and close friends in observance of his fiftieth anniversary in business.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 6

J&L LIGHT OIL DISTILLATES

COMMERCIALLY PURE BENZOL
90% BENZOL • CXP BENZOL
XYLOLS (SOLVENT NAPHTHA)
REAGENT BENZOL • PURE TOLUOL
SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION
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180 MADISON AVE. Telephones: Ashland 4-2265 and 4-2266 NEW YORK

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Koppers Chemicals and Solvents

Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pure, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

Other Koppers Products

Tanks and Tank Work . . . Benzol Recovery Plants . . . Naphthalene Removal Apparatus . . . Phenol Removal Apparatus . . . By-Product Gas Plants . . . By-Product Recovery Apparatus . . . Sulphur Recovery Apparatus . . . Coal Tar Roofing Materials . . . Waterproofing and Dampproofing Materials . . . Tarmac Road Tar Materials . . . Bituminous Base Paints . . . Coal . . . Coke . . . Fast's self-aligning Couplings . . . Fire Hydrants . . . Piston Rings . . . Gas, Air and Water Valves . . . Treated Lumber . . . Special Machinery

THERE are many ways Koppers can serve you besides supplying Benzol, Toluol, Xylol, Solvent Naphtha, Phenol, Cresol, Cresylic Acid and Naphthalene. Many companies which are buying one or more Koppers products or Koppers service could profitably use many other Koppers products and make their work easier or their products better.

Koppers designs and builds machinery, equipment and complete plants. It supplies roofing, waterproofing, dampproofing, paints and other materials for plant construction and maintenance. It produces and markets coal and coke. It has made revolutionary improvements in piston rings and is the only manufacturer of Fast's self-aligning Couplings. It makes water and gas valves, fire hydrants, tanks, pipe, plate work. It operates shipyards.

Let us send you information about any of these types of Koppers services which would fit into your work.

KOPPERS COMPANY
PITTSBURGH, PA.

KOPPERS DIVISIONS, SUBSIDIARIES AND AFFILIATES—American Hammered Piston Ring Division . . . Bartlett Hayward Division . . . Boston Tow Boat Company . . . Eastern Gas and Fuel Associates . . . Engineering and Construction Division . . . Gas and Coke Division . . . The Koppers Coal Company . . . Koppers-Rheolaveur Company . . . The Maryland Drydock Company . . . Mystic Iron Works . . . Mystic Steamship Company . . . National Lumber & Creosoting Company . . New England Coal & Coke Company . . . Tar and Chemical Division . . . Western Gas Division . . . The White Tar Company of New Jersey, Inc. . . . The Wood Preserving Corporation.

N.Y. Chemical, Drug Corporations Dissolved

(Continued from page 5)

Corporation, Freud Laboratory, Inc., Fumaga Chemical Corp.

Gardner & Flon Dental Laboratory, Inc., Garfield Drug Company, Germadol Laboratory, Inc., Gill Chemical Company, Goldstein Pharmacy, Inc., Greencourt Chemists, Inc.

Halper's Chemists, Inc., Hanover Chemists, Inc., Harlem Laboratories, Inc., Hayden Laboratories, Inc., Heights Dental Laboratories, Inc., Hettig Drug Company. Laboratories, Inc., Hettig Drug Company, Hub Chemical Corp.

Insul Chemical Company, Itam Chemical Exchange, Inc.,

Jay, Louis, Drug Company, Johnson Drug Company, Jorj Chemists, Inc.

K. M. Chemical Company, Karsal Laboratories, Inc., Keystone Drug & Grocers Specialties Corporation, King Drug Stores, Inc., Klearole Laboratories, Inc., Koenig Chemical & Drug Company.

L. K. Chemists, Inc., L. & M. Drug & Chemical Company, L. & S. Drug Company, L. C. Laboratories Corporation, Leader Chemists, Inc., LaDue Laboratories Incorporated, Lacto-Aspirin Laboratories, Inc., Lee Laboratories, Inc., Leroy Cosmetics, Inc., Letellier Laboratories, Inc., of Rochester, N. Y., Lenox Dental Laboratories, Inc., Liberty Chemists, Inc., Liberty Dental Laboratories Corporation, Libit Laboratories, Inc., Linco Drug Company, Lincoln Drug Company, Lincoln Laboratories, Inc., Lion Laboratories, Inc., Liquor Distillers Corporation of America, Long Beach Chemists, Inc., Louvre Chemists, Inc., Lynch Laboratories, Inc.

Madsen Laboratories, Inc., Magna Chemical Corporation, Maid Drug Company. Maiden Lane Drug Company, Mamaroneck Laboratories, Inc., Manhattan Research Laboratories, Inc., Marcell Laboratories, Inc., Marcy Chemical Company, Marek Drug Store, Inc., Marlove Pharmaceutical Company, Mary Lou Laboratories, Inc., Mason, M. A., Dental Laboratory, Inc., Medical & Cosmetic Supply Corporation, Mel-Mar Chemical Corporation, Melbar Drug Company, Merit Surgical Company, Metropolitan Drug Company, Minerva Chemist, Inc., Monrich Chemical Corporation, Morrisey Chemists, Inc., Murray Chemical Products, Inc., Mutual Chemists Associates, Inc.

Narcosan Laboratories, Inc., Navarette Pharmacy, Inc., New Rochelle Main Drug Corporation, New York Laboratories Company, Notox Chemical Company, Nu-Star Laboratories, Inc.

Odell Chemists, Inc., Oliver Chemical & Soap Sales Corporation, Orthopedic Laboratories, Inc., Otla Chemical Products Company.

Pagano Drug Company, Pan-American Laboratories, Inc., Park Hill Pharmacy, Inc., Parker Health Laboratories, Inc., Perry Pharmacy Association, Phenochrome Germicidal Corporation, Pilot Chemical Corporation, Pine Chemists, Inc., Pine Drug Company, Pollen, Bernard, Drug Company; Portovox Laboratories, Inc.; Positive Chemical & Disinfecting Company, Premier Chemical Laboratories, Inc., Prince Color & Chemical Corporation, Princeton Drug Corporation, Prof-Hern Laboratories, Inc., Protective Laboratories, Inc., PurOdor Corporation of New York.

Quikleen Chemical Corp.

Ranada Chemists, Inc., Red Letter Drugs, Inc., Regal Laboratories, Inc., Resnikoff-Langsner Dental Laboratory, Inc., Retailers Drug & Luncheonette Association, Inc., Ritz Soap Company, Robbin's Drug Company, Rochester Disinfectant Company. Rockland Cut Rate Cosmetic Stores, Inc., Rosedale Drug, Inc., Ross Chemical Company, Inc., Rubano Pharmacy, Inc., Rutledge Chemists, Inc., Rye Beach Drug Corporation.

S. & H, Soda Fountain Manufacturing Company, Saul Pharmacal Company, Sawitt-Accurate Dental Laboratories, Inc., Schrager Chemists, Inc., Seminole Drug Company, Sentinel Chemical Corporation, Shapiro's Pharmacy, Inc., Sherlow Chemical Company, Silver Drug Products, Inc., Sim Chemical Holding Corporation, Snyder Laboratories, Inc., Standard Chemical Company, Steiner, J., Chemical Buffs, Inc.; Stetson Drug Corporation, Sun Chemist, Inc.; Suyphin Pharmacal Corporation, Sydruth Laboratories, Inc.

Taub Pharmacy, Inc., Taylor Laboratories, Inc., Technical Laboratory for Dental Restorations, Inc., Tono Chemical Co., Inc., Trade Drug Co., Inc., Triangle Chemical Corporation, Triplex Dental Instrument and Supply Co., Inc.

United Pathological Laboratories, Inc.; U. S. Gamma Laboratories, Inc., University Chemists, Inc.

Valentine Drug Stores, Inc., Vapohale Laboratories, Inc., Vernon Synthetic Chemical Corporation, Vlotoline Laboratories, Inc.

Zabetol Chemical Corporation, Zackheim Drug Corporation, Zelnor Pharmacy, Inc. Youth-Ami Laboratories, Inc.

N.P.V.L.A. President Plans Western Tour

President Ernest T. Trigg of the National Paint, Varnish and Lacquer Association will leave Washington about the middle of January on a business trip to Western and Pacific coast paint centers.

Fuller's Earth Mine In La. to Be Worked

The Louisiana Boganite Corporation has been formed to develop the fuller's earth deposits near Bogalusa, La. Plans calls for the construction of a modern fuller's earth and clay processing plant at Bogalusa, with a daily capacity of 240 tons. The corporation has an authorized capital of 100,000 shares of $1 par value and 100,000 shares of no par value. Mark P. Siersdale is president of the new company.

Several years ago, Mr. Siersdale, formerly of Chicago, became interested in the discovery of the deposits near Bogalusa, and as a result of his efforts Boni-Facial, Inc., was organized for the manufacture of cosmetics, using fuller's earth as a base. The directorate of the cosmetic concern decided to have the property tested to determine the quantity and the quality of the deposits.

After a preliminary investigation by Arthur J. Brandin, mineral expert, and a director of the new company, further tests were made by Ralph Earl, of New Orleans, also a director of the company, who reported a minimum of 7,000,000 tons in the company's 1,700 acres. The deposit, it is said, is made more valuable by its unusually low overburden, which averages only about five feet.

Officers of the company are: President, Mark P. Sierdale, formerly of Chicago; vice-presidents, Philip J. Liuzza, of New Orleans; Bascom D. Talley, of Bogalusa, and treasurer, Lachian, M. Vass, New Orleans. Members of the board of directors, in addition to the officers, Mr. Brandin and Mr. Earl, are O. J. Sherman Stupka, who is reported to have made the original discovery of the deposits twenty-four years ago. Charles Goodyear, Jr., and N. H. Siersdale, all of Bogalusa.

Trigg Addresses Paint Credit Group

Ernest T. Trigg, president of the National Paint, Varnish and Lacquer Association, addressed the regular meeting of the Paint and Allied Industries Credit Association, December 1. Mr. Trigg said that association as the largest group of its kind in the industry, and expressed the convention that the future holds a real promise for the continued growth and influence of the credit association.

In addition to Mr. Trigg, President Rohs of the Paint and Allied Industries Credit Association introduced many other distinguished guests, among whom were:

Harry R. Hillman, eastern regional zone, vice president, National Paint, Varnish and Lacquer Association; Stanley C. Dunning, president, New York Paint, Varnish and Lacquer Association; John L. Redmond, president, New York Credit Men's Association; William A. Robertson, president, National Paint Salesmen's Association of the United States; Donald E. Turner, president, Travelers' Association of the Local Paint and Allied Trades of New York; Henry I. Gilbert, president, Capitol Paint and Varnish Works; Austin O. Allen, president-elect, New York Paint and Varnish Production Club; Marc Buchbinder, president, Travelers' Association of the Paint & Allied Trades of New Jersey.

The following companies have been elected to membership in the paint and allied group: Seaboard Paint & Varnish Co., Brooklyn; The C. P. Chemical Solvents, Inc., this city.

Foote Co. Head Tells Of Lithium Possibilities

It is not improbable that many of the present well-known metals may within the next half century become outmoded in favor of certain of the relatively more abundant but lesser known metals, H. C. Meyers, president of the Foote Mineral Company, Philadelphia, stated in a paper at a meeting of the American Chemical Society, held at the Hotel Statler, Cleveland, December 27.

The total quantities of titanium, zirconium, lithium, and beryllium in the lithosphere are of astronomical magniture. Zirconium, for example, Mr. Meyers said, is more abundant than nickel, vanadium, lead or copper. Researches in the United States prior to 1917, he continued, resulted in the development of a series of zirconium ferro alloys, which have important uses in the steel industry. An application rapidly growing, he said, is the use of zirconium oxide as an opacifier in enameled metal ware.

The keen interest in lithium ores has been inspired by the use of lithium chloride as an air desicant, although the moisture absorbing properties of this salt, he said, have been recognized for fifty years or more. It is to be assumed that with the increasing demand for conditioned air in homes, and numerous other fields, that this offers an important potential industrial field for lithium halides.

Probably the best example of air conditioning using apparatus using lithium chloride brine is the so-called Kathabar unit. The only laggard in the lithium situation, he said, was the metal, and it is to be hoped that a more efficient process will be developed which would bring about a lowering of the high price of the element in order to permit its use on an industrial scale. In the last thirty-three years the South Dakota mines have produced a total of 48,143 tons of lithium ore, or an average of 1,458 tons per year, having an average value per ton of $18.39 at the mines.

The amazing development of sources of titanium is unquestionably, Mr. Meyers said, due to the remarkable increase in the use of titanium pigments. The two commercial sources for titanium are the mineral ilmenite, a ferrous titanite carrying about 31 percent of titanium metal; and rutile, the natural dioxide, carrying about 60 percent titanium metal. A commercial grade of ilmenite sand runs from 50 to 56 percent titanium dioxide, and the average cost per ton at the mines is in the neighborhood of $5 per ton. The present consumption of rutile, he said, in welding rod coatings alone has been variously estimated at from 1,200 to 2,500 tons per year at an average cost of $200 per ton for the finely ground product.

Although there are at least seventeen well authenticated beryllium minerals, some of which carry as high as 19 percent of this element, the only commercial source, up to this time, has been the mineral beryl, a beryllium aluminum silicate which, when theoretically pure, does not carry over 5.07 percent metal. A good commercial beryl rarely carries more than 4.35 beryllium metal. This ore is of a very refractory nature and the separation of the beryllium oxide from alumina and its subsequent reduction to the metal are costly. The patent literature on the treatment of the ore and the manufacture of the metal is quite voluminous, and costly patent litigation will probably result as the industry grows.

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Continental

McMillen Heads Farm Chemurgic

(Continued from page 3)

Illinois chemistry department and former president of the American Chemical Society.

In his capacity as president of the National Farm Chemurgic Council, Mr. McMillen will be aided by John W. Ticknor, who has assumed the duties of assistant to the president. Mr. Ticknor is widely known in business circles.

In a statement of his conception of the functional purpose of the National Farm Chemurgic Council, Mr. McMillen said:—

The sole objective of National Farm Chemurgic Council is to enlarge the income of farmers. Agriculture's sales of food products are limited by the capacity of human stomachs to a point far below farming's capacity for production. The chemurgic assignment is to open as large as possible a market, through science and industry, for the sale of farm-grown materials to be manufactured into inedible products.

We believe this is an absolutely sound approach to substantial increase in national prosperity. The fundamental consideration, however, is larger farm income. The chemurgic markets for farm output must be profitable to producers. Since the farm is the primary source of America's new raw material wealth, a growing volume of tangible materials thus moved into the channels of manufacture and commerce will stimulate employment. As profitable employment for idle acres is developed, profitable employment for idle hands will follow.

The council maintains a permanent office in Dearborn, Mich., with Carl B. Fritsche as managing director and Dr. H. E. Barnard as technical director. The board of governors of the council includes Robert E. Wood, president of Sears, Roebuck & Co.; Karl T. Compton, president of Massachusetts Institute of Technology; Fred W. Sargent, president of the Chicago & Northwestern Railway; D. Howard Doane, head of the American Society of Farm Managers; John C. Holton, Mississippi Commissioner of Agriculture; L. J. Taber, master of the National Grange; W. W. Buffum, general manager of the Chemical Foundation; Edward R. Weidlein, director of Mellon Institute; John A. Widtsee, of Utah; Arnold P. Yerkes, president of the American Society of Agricultural Engineers; John S. Haggerty, Detroit; Albert M. Paul, Fresno, Calif.; August Merz, of the Calco Chemical Company; H. K. Benson, Seattle; Dr. William J. Hale, Washington; Dr. Charles H. Herty, Savannah; Dr. Perrin H. Long, of Johns Hopkins University; Robert A. Millikan, of California Institute of Technology.

Du Pont Given Patent On New Sulphur Dye

(Continued from page 5)

we had attained very great advance in the art and the manufacture of sulphur colors by the production of sulphur black of a brightness very much greater, a strength very much greater, and a solubility very much greater than most sulphur blacks.

This material was, however, still in powder form, with all of its consequent disadvantages of firing, flying, and so forth. It occurred to us that if we could overcome those disadvantages, we would have a finer article. Continuing our research further, we developed the exact, definite conditions for the production of these grains.

The testimony of E. A. Feimster, superintendent of Eagle & Phenix Mills, Columbus, Ga., and of R. H. Webb, superintendent of Neisler Mills, Kings Mountain, N. C., was introduced to present to the court the practical advantages which the new colors secured to the textile industry.

Chester H. Biesterfeld and John L. Seymour, Wilmington, represented the du Pont company, and R. F. Whitehead represented the defendant.

Phila. Paint Club to Hold Initial 1938 Meeting Jan. 19

The initial meeting of 1938 of the Philadelphia Paint, Varnish and Lacquer Association will be held at the Penn Athletic Club January 19. The meeting will get started with a reception at 6 o'clock, followed by a dinner. Details of the program for the first meeting will not be announced until the night of the party. J. V. Hastings, Jr., of Hastings & Co., is chairman of the program committee for 1938.

Dyestuffs, Textile and Leather Chemicals

Myrobalans J1 and J Reduced—Mangrove Bark Higher—Wattle Bark Easier—Valonia Cups Advanced—Bichromates Firm —Corn Derivatives Steady—Egg Products Nominal

Business in the market for dyestuffs and tanstuffs continued quiet during the week just ended. The dullness, which has been prevalent in this market in recent weeks, was further enhanced by the intervening Christmas holidays and the usual inventory period curtailments. It is explained, however, that inventories in certain consuming lines are at a low ebb. Changes in the market included an advance in mangrove bark and valonia cups. J1 and J2 myrobalans and wattle bark were lower.

Renewed activity in the shoe industry is expected to continue for several months, as stocks of shoes have been reduced to a point where replenishing is necessary, particularly in Spring models. Production of leather in November totaled 1,525,000 hides as compared to 1,680,000 hides, revised in same month last year. Total consumption of leather amounted to 1,295,000 hides during November, against a revised figure of 1,474,000 hides in the same month last year. Sharp curtailment of mill operations by rayon weavers has reduced inventories to some extent but both mills and converters were reported to have fairly large quantities of goods on hand. These stocks are not large enough, it was said, to meet converters requirements for the Spring season. Tanning materials were irregular. Myrobalans and wattle bark were slightly lower, while mangrove bark and valonia cups tended higher. Potash bichromate was firm, although current business was somewhat slowed down by year end influences. Zinc dust was steady. Dyestuffs were quiet. Corn derivatives were firm in sympathy with the basic commodity. Albumen and egg yolk remained about the same as the preceding week with the market more or less nominal because of the small amount of spot stocks on hand.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Mangrove bark, 25c. per ton.
Valonia cups, $2 per ton.

Reduced

Myrobalans, J1, $1 per ton.
J2, 50c. per ton.
Wattle bark, 25c. per ton.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
155.3	155.1	155.1	152.7

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—A firm tone prevailed in this market again during the week. However, commitments were confined to moderate proportions to take care of immediate requirements. Prices ruled unchanged.

Antimony Salt.—A slackening of demand was evident in the market. Restricted business could be attributed to the influence of the inventory period, together with the disposition of some consumers to mark time. Quotations display no change.

Potash Bichromate.—Although the tone of the market remained quite firm, current business was negligible in the face of reduced operating schedules in certain consuming industries as the year end approached. Prices were without change from previous period.

Potash Prussiate.—A quiet demand was prevalent in this market throughout the week. Some consumers had sufficient stocks on hand to provide for immediate needs, while others were pursuing a hand-to-mouth policy. Quotations were firm.

Soda Bichromates.—A fair call was evident, although the disposition seems to be inclined toward conservative commitments to provide for immediate needs. Sellers reported no change in quotations.

Zinc Dust.—A firm tone was uncovered in this market at times during the week. This could be attributed to the firmness in the basic metal. Prices were without change from preceding period.

Dyestuffs

Annatto.—Quiet conditions continued to prevail in this market throughout the week. Consumers continued to adhere to a conservative purchasing policy, as in the previous weeks. Prices were steady to firm.

Archil.—A seasonal lull in certain consuming industries had a tendency to limit business in this market to modest proportions. Despite the quiet nature of current business, prices were well maintained at previous levels.

Cochineal.—A firm tone was evident, despite the fact current business was virtually at a standstill. Purchasers probably were content to absorb supplies on hand before coming into the market for additional supplies.

Fustic.—Current business was dull, as the result of the slackening of demand from certain consumers because of reduced operating schedules, together with holiday shutdowns and inventory taking. Quotations remain unchanged.

Indigo.—Shipments were moving against contracts at a slow pace throughout the week under review. Sellers were looking forward to 1938 in anticipation of some increase in business. Quotations ruled the same as those in force previously.

Logwood.—This market continued along the same lines as in previous week. Demand was even further restricted as the final week of the year brought curtailments and shutdowns in certain consuming lines. Quotations ruled firm.

Sizing Materials

Albumen.—With the supplies of spot stocks still at a minimum, prices continued virtually nominal. Imports from China will continue to be an uncertainty until the Sino-Japanese incident is closed. Although imports of small amounts have arrived from time to time, they are far below the normal amount. Domestic production may get under way around February and relieve this situation.

Dextrin.—A fair call was evident in this market at times throughout the week. However, some consumers were purchasing moderately for immediate requirements. Quotations remain steady to firm. The steady demand for United States corn in the export market, which is the largest in almost a decade, is attracting considerable attention. Because of the short corn crop in 1936, the United States was a substantial importer of the cereal until the present crop began to arrive on the market. The export demand, coupled with the carryover, may result in the bumper crop produced this year in the United States being marketed at a reasonably advantageous level.

Egg Yolk.—Conditions in this market remain about the same as in the past several weeks. The limited amount of spot stocks continues to make this market more or less a nominal one. The high seasonal rate of egg production per hen seen throughout the past year continued on December 1. The reported United States average production on that date was 18.6 eggs per hundred hens and pullets of laying age. This is 34 percent above the December 1 average for the 10 years 1925 to 1934, 16 percent above that of 1936 and 9 percent above the previous record high December rate of 7.1 eggs per hundred layers in 1931.

Starch.—Business in this market was irregular throughout the week under review. Quotations were well sustained at previous levels. An official estimate of the remaining balance of corn in the Argentine available for export placed that amount at only 18,953,000 bushels. No new Argentine corn will be available to the market until next May.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 6

Atlas Powder Company Exhibit at 1937 Chemical Exposition

Tanning Materials

Gambier.—Business in the market for plantation gambier was rather quiet during the week, although price held steady. Demand for Singapore cubes was irregular, with prices ruling the same as the previous week.

Mangrove Bark.—An irregular call was prevalent in this market throughout the week under review. Prices were slightly higher at $25 per ton.

Myrobalans.—The price for J1 was lower last week at $30 per ton, while J2 myrobalans were easier at $22.50 per ton. Quotations for R2 held steady and unchanged at $22 per ton.

Sumac.—A firm tone prevailed in this market throughout the week. Prices were maintained at levels in force the previous week, which were $62 per ton for the ground and $67 per ton for the leaf.

Valonia.—Quotations for valonia cups were firmer the past week at $52 per ton, while price for beards continued firm at $37.50, unchanged from the preceding week.

Wattle Bark.—Business in this market was irregular during the week. Prices were slightly easier at $39.75 for East Africa and $41.75 for South Africa.

Du Pont Develops New Textile Softening Agent

A new textile finish assistant is announced by the E. I. du Pont de Nemours & Co. in "Avitex" M, a specially sulfated fatty alcohol recently developed. It is designed primarily as a softening agent for use with high concentrations of epsom salts, such as are employed in the preparation of heavily-weighted finishes where the stiffening effect of starch products or minerals is to be avoided. The new product forms clear, stable emulsions, in the presence of epsom salts, which show no separation on prolonged heating, thus eliminating formation of oil spots on fabrics and loss of material from the bath.

Senn Offers Philadelphia Tankwagon Delivery Service

George Senn, Philadelphia Bourse, manufacturers' agent, has constructed a bulk station for storage and tankwagon delivery of benzol, xylol, toluol, and high-flash naphtha. Facilities for tankwagon delivery of turpentine have been installed at the company's commercial warehousing. This service has been extended to the greater Philadelphia territory, which field the organization has been serving for twenty-four years. The Senn organization represents Taylor, Lowenstein & Co., Mobile, Ala., in naval stores, and the Neville Company, Pittsburgh, in coaltar by-products in the Philadelphia area.

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Paint, Varnish, Lacquer Materials

Quiet Ruled Through Final Week of 1937—Stearates Unchanged For First Quarter—Congo Gums Lower—Rosin Firm, Though Quiet

The paint, varnish and lacquer chemicals market had a becalmed appearance as it closed the year 1937. The dullness of the market was more deeply rooted than the usual year-end quiet; sellers reported a complete absence of orders to be held for 1938 delivery and billing. The year's end was diagonally opposite to its beginning when prices were pointing upward and the forces of a broad buying swing were gathering.

The events of the final week of the year were not very important. White lead corroders opened their books for contract business over the first quarter of the year but did not get much response from the users. Stearate manufacturers also commenced booking contracts for the first 90 days of 1938 at the prices that have been in force for the past several months. Up to the time of this writing, the makers of ester gum had not taken a position on 1938 business and were the only suppliers of materials to the manufacturers of surface coatings who had not yet shaped their policies for the beginning of the new year. The price features of last week were reductions in a number of Congo gums for shipment and lower prices for isopropyl and ethyl acetates.

The week's news from the automotive front spells continued lack of raw materials purchasing by the makers of automobile finishes for January at least.

Carbon black passed another week without price shift but there was no sign of peace in the market scene and it would not be surprising to see the bag price for carload lots move down to the level quoted for tankcars by one of the manufacturers.

Primary and local markets for naval stores were quieter last week. The Savannah and Jacksonville markets were open on only two days of the week so far as official trading was concerned and private business was on a comparatively small scale during the remainder of the period. The prevailing tone was firm. The indications seemed to point to a sharp decrease in primary receipts in the near future.

November paint, varnish, lacquer and fillers sales reported to the Bureau of Census by 680 establishments totaled $26,105,315 against $32,791,845 in October and $29,488,620 in November 1936. The November record was the smallest for the first eleven months of the year. Total sales during eleven months of 1937 were $399,755,254 against $367,538,406 in the same months of 1936. November plastic paints sold totaled 443,911 pounds against 486,887 pounds in October and 460,941 pounds in November, 1936; calcimines sold in November were 5,238,060 against 5,762,921 pounds in October and 5,382,585 pounds in November, 1936; cold water paints sold in November were 2,717,265 pounds against 3,225,794 pounds in October.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Rosin, 7½c. to 40c. per 280 lbs.

Reduced

Ethyl acetate, 1c. per lb.
Gum, copal, Congo, No. 1, 2c. per lb.
3, 1¾c. per lb.
4, 1½c. per lb.
8, 15, 16, 20, 21, 23, ½c. per lb.
9, 1c. per lb.
10, 25, ⅝c. per lb.
17, 1⅛c. per lb.
22, ¼c. per lb.
24, ⅝c. per lb.
Isopropyl acetate, 1c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
131.6	131.6	131.6	132.7

Market news that may have developed after this report was sent to press will be found on page 4.

The construction industry's activity in 1937 registered a definite gain over the preceding year, according to Thomas S. Holden, vice president in charge of Statistics and Research of F. W. Dodge Corporation. Recovery gains over 1936 were approximately as follows:—an increase of 15 percent in dollar volume of residential buildings and 21 percent in non-residential building; an increase of 40 percent in public utilities construction, and a decrease of 20 percent in public works construction. From the point of view of ownership and financing, the program of the year 1937 showed a 34 percent increase over 1936 in dollar volume of private building and engineering work, partially offset by a 15 percent decline in public work of all kinds, resulting in a general construction volume increase of about 10 percent. The final 1937 total for construction contracts awarded in the 37 Eastern states will be $2,900,000,000 or a little over, compared with $2,675,000,000 in 1936. Each month of 1937 through August gained over the corresponding month of 1936. Declines after August were moderate: September contracts dropped 12 percent below the preceding September; October contracts were 11 percent under; November contracts were 5 percent under November, 1936, and advance figures for December, 1937, indicate a contract volume equal to or slightly greater than the December, 1936, volume.

Metallic Lead and Zinc

Pig lead continued in a very quiet position last week. The sellers did very little booking o forders for January position. Spot deliveries of a single car here and there provided the market's only activity. Prices were firm here at 4.75c. to 4.80c. per pound in New York and 4.60c. per pound in East St. Louis.

Slab zinc was also a dull metal last week. The price situation was undisturbed with 5c. per pound named at East St. Louis. The automotive industry's interest was mild and because of lay-offs and reduced production schedules in the motor car industry effective with the beginning of the year, there should be little demand from that quarter for January at least.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from December 24 to December 30, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Friday	$0.0475@0.0480	$0.0460	* .. .. ..
Saturday	.0475@0.0480	.0460	* .. .. ..
Monday	.0475@0.0480	.0460	* .. .. ..
Tuesday	.0475@0.0480	.0460	15 12 6
Wednesday	.0475@.0480	.0460	15 10 0
Thursday	.0475@.0480	.0460	15 11 3

* Closed.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from December 24 to December 30, inclusive, were as follows:—

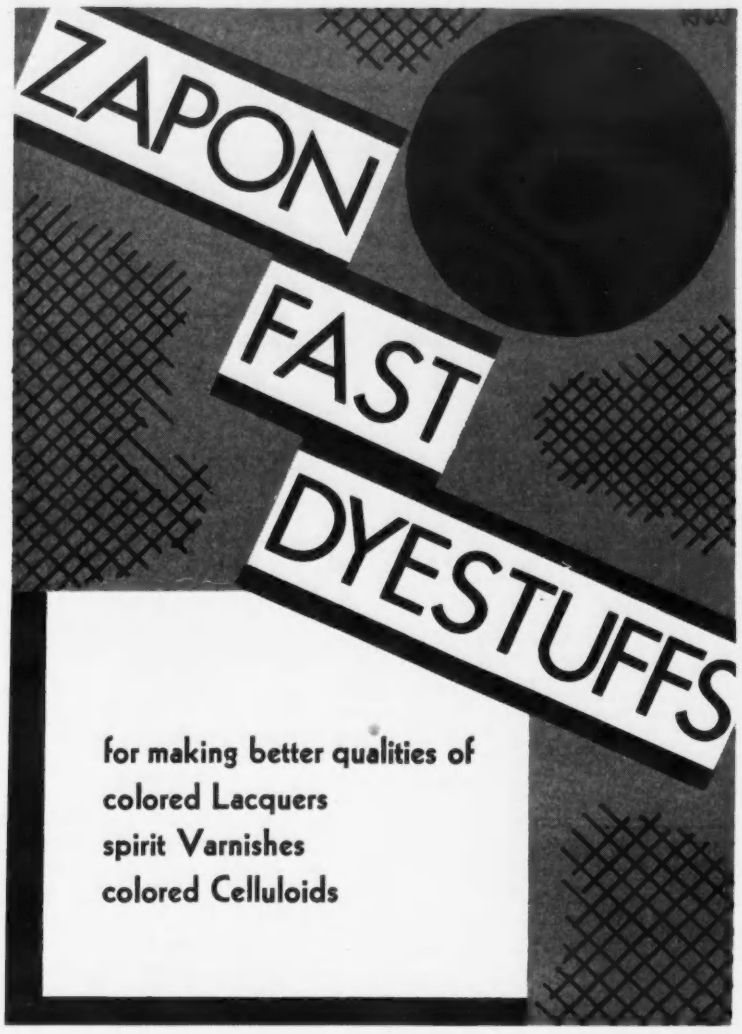
	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Friday	$0.0535	$0.0500	* .. .. ..
Saturday	.0535	.0500	* .. .. ..
Monday	.0535	.0500	* .. .. ..
Tuesday	.0535	.0500	15 1 3
Wednesday	.0535	.0500	14 16 3
Thursday	.0535	.0500	15 1 3

* Closed.

Pigments

Opaque pigments and lead oxides continued in a very dull position through last week. Spot business was negligible in volume and most of the few achievements of the week were centered in the negotiations for 1938 contracts. Contrary to the usual condition at the turn of the year, sellers report that very few orders had been placed during the final half of December subject to shipment and billing after the turn of the year. Pigment suppliers were hopeful that grinding operations by paint manufacturers would commence this month but from the sentiment around the market it was likely that the trade would mini-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 6



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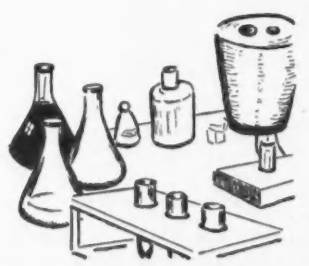

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mize its activities until a clearer picture of the general business outlook was available.

White Lead. — Manufacturers were now prepared to book business for the first quarter of 1938 at the prices that have been in force through December. There was very little interest in the market at this time.

Red Lead.—The metal market has not been changed since December 16 and both the car lot and l.c.l. prices for this derivative have held unchanged also. There was little demand for deliveries.

Litharge.—This material held a quiet position in company with other lead oxides. There has been very little ordering for the past several weeks and the prices have held steady and unchanged since December 16.

Lithopone. — The sellers had few orders in hand which called for delivery and invoicing after the turn of the year. The new contracts have gone into effect at the same terms and prices as those that closed 1937.

Orange Mineral.—There has been no shift in the position of this lead oxide since the latest reduction in the price of the basic metal on December 16.

Titanium Pigments. — As reported here a week ago, prices for lead titanate were lowered 1c. per pound, effective Monday, December 20. The schedule is based at 11c. per pound for car lot amounts, with 11¼c. per pound named for 5-ton quantities and 11½c. per pound for smaller lots. Titanium dioxide and compound pigments remained unchanged.

Zinc Oxides.—The market lacked feature last week. As usual during the holiday period, there was very little interest on the part of the buyers. The tire makers were not interested in replacement purchasing at the moment and the paint trade's interest was also small. Prices continued unchanged.

Fillers and Extenders

Inert pigments, fillers and extenders were engulfed in the general quiet of the market for paint materials. Orders are few and far between and the aggregate volume of business done in the month just ended was perhaps smaller than any preceding month's business. There were no price changes made except those which were effective on the first of the new year and were reported here previously.

Graphite.—Producers have not altered prices and according to the latest reports, trade with the paint industry was very small.

Talc.—Domestic types continued in an unchanged position. There has been very little interest from the rubber and paint manufacturing industries.

Tripoli.—There has been no change in price since the article was last reviewed. The demands have been small.

Dry Colors

The color market was another quiet scene last week. Consuming manufacturers in all lines of industry were holding their orders down to actually needed amounts. Carbon black was still the center of most interest. There was no change in the black situation last week but the appearance of the market was far from serene and it would not be surprising if the bag prices for carloads moved down to the level now named for tankcars by one of the black manufacturers. Earth colors were quiet.

Carbon Black.—Standard black prices in car lots have not been touched for over two weeks now. However, the appearance of the market was not a very peaceful one although no action has been taken, it would not be surprising to see the majority of the producers who have been holding at 2¾c. per pound for standard grades in bags move the price down to the 2½c. per pound basis that is quoted for tankcars by the seller who insists that tankcar prices shall be ¼c. lower than the car lot price for bags. There has been little contract activity during the price warfare that commenced on November 1.

Chrome Greens.—According to a report made to the Tariff Commission, 21 producers of c.p. greens produced 9,355,743 pounds and sold 8,670,636 pounds at a value of $2,307,483 in 1936. The output of 17 producers of reduced greens down to and including the 25 percent strength was 5,591,932 pounds and the sales totaled 5,340,607 pounds which were valued at $447,526. The production of all other reduced grades, reported by 13 makers, was 1,514,137 pounds and the sales totaled 1,612,586 for a value of $119,176.

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Chrome Oxide Greens.—The market seemed firmly established at the recently advanced figure of 22c. per pound. However, there was little purchasing interest shown.

Iron Blues.—The Tariff Commission's report on 1936 production of c.p. iron blues from 25 producers showed output at 6,209,781 pounds and sales of 5,688,580 pounds with a sales value of $2,091,060. Output of reduced blues by 12 producers was 204,063 pounds and the 1936 sales were 150,339 pounds with a value of $28,076.

Spanish Red Oxide.—Imports of this material have been received regularly and according to the reports, there is no further evidence of the scarcity of supply that was current a few months back. Incidentally, some buyers continue to use the substitutes that were offered for this red when the Spanish material was unavailable here.

Ultramarine.—As reported here previously, all grades have been advanced 1c. per pound in price.

Varnish Gums

The recent reductions in price that were scattered through the list of Far Eastern gum were followed last week by a number of price reductions in the Congo gums. Offering prices from the replacement market were lower evidently in an effort to stir up some business, which has been lacking for the past two or three months. So far as could be learned here, stocks of Congo gum abroad were thought to be moderate in size and it was the general opinion that the prices were reduced to tempt buying.

Copals.—Fifteen gradings of Congo gum were reduced in price last week. Shipment prices on the affected grades were as follows:—No. 1, 44c. per pound, off 2c.; 3, 18¼c. per pound, off 1¾c.; 4, 19¼c. per pound, off 1½c.; 8, 13¼c. per pound, off ½c.; 9, 10¼c. per pound, off 1c.; 10, 10¼c. per pound, off ⅜c.; 15, 7¼c. per pound, off ½c.; 16, 5¾c. per pound, off ½c.; 17, 17¼c. per pound, off 1⅛c.; 20, 8¾c. per pound, off ½c.; 21, 7⅞c. per pound, off ½c.; 22, 7⅛c. per pound, off ¼c.; 23, 7⅜c. per pound, off ½c.; 24, 15¾c. per pound, off ⅝c.; 25, 7c. per pound, off ⅜c. per pound. These prices were for straight or mixed cars and were subject to the usual differentials for smaller quantities.

Dammars. — There have been no changes in price since the reductions in No. 1 and No. 2 Singapore which were reported here a week ago. The demands of the market were very small.

Synthetic Resins

Up to this writing, the manufacturers of ester gum had not established a position on contracts for the first part of the new year. While it had been indicated that prices would likely be established prior to the time this report reached the trade, there was no indication as to what level the prices would be placed.

Naval Stores

Southern and local markets for naval stores were quieter last week. There were only two official trading days, the Savannah and Jacksonville markets remaining closed from December 29 to January 1, inclusive. Transactions in rosin and turpentine reported during the two official days of the week were rather light and the volume of business closed on other days showed a decrease as compared with the previous week when the situation was featured by liberal purchases of rosin for foreign account. Considerable of this purchasing, it now appears, was due to an impending advance in ocean freight rates. Clearances of turpentine and rosin from Southern ports for foreign destinations during the week were large and primary stocks showed a decrease.

The tone of primary centers was regarded as firm. The trend of rosin quotations was upward at times and a fractional advance occurred in turpentine at Jacksonville. Despite the slowing down of business last week and the unfavorable developments in the markets for securities as well as the prevailing uncertainty concerning tax and other legislation at the coming session of Congress, there was still a noticeable disposition in some quarters here to take a rather optimistic view of the outlook for business and prices for naval stores after the turn of the year. The indications seem to some to point to a sharp decrease in arrivals in primary markets in the near future, it being contended that something like 95 percent of the production for the current season has already been marketed, while in the case of rosin, stocks in the hands of many consumers are believed to be comparatively small.

According to consular advices from Bordeaux, domestic demand for turpentine and rosin in France was small. Prospects for the crop are good owing to continued favorable weather conditions. The scrape crop was still being collected, and according to reports the yield of gum from this crop will be larger than that of last season. Although no definite figures are available covering the stocks of naval stores on hand at the end of November, it was reported that stocks of turpentine were rated heavy and considered abnormal, whereas the stocks of rosin were increasing. Exports of turpentine from France continued to increase, but rosin shipments were less. For the first ten months of 1937 turpentine exports amounted to 839 metric tons against 333 metric tons for the same months of 1936. Rosin exports aggregated 28,927 metric tons against 30,165 metric tons.

Turpentine. — The local market had a firm tone, but aside from this the situation here lacked features of interest. Occasional inquiries were noted but such transactions as were reported were limited to small quantities, consumers being disinclined to add to their inventories at this season. Primary stocks showed a decrease as the outward movement exceeded the arrivals. Offerings in Southern markets were light and predictions were heard of a sharp and permanent decrease in receipts in seaboard markets after the turn of the year, as production has been steadily diminishing in recent weeks.

SAVANNAH, Dec. 31.—A firm undertone continued to prevail in the turpentine market. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	26	46	568	1,672	34,326
Tuesday	26	40	365	797	33,894
*Wednesday	..	...	...	...	.....
*Thursday	..	...	...	...	.....
*Friday	..	...	...	...	.....

* Market closed.

JACKSONVILLE, Dec. 31. — Turpentine was quiet and firm. Stocks decreased sharply. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
*Saturday	..	...	...	...	.....
Monday	26	76	710	8,748	9,600
Tuesday	26¼	102	78	2	9,676
*Wednesday	..	...	...	...	.....
*Thursday	..	...	...	...	.....
*Friday	..	...	...	...	.....

* Market closed.

PENSACOLA, Dec. 24.—Turpentine was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	153	...	28,372
Tuesday	149	...	28,521
Wednesday	107	...	28,628
Thursday	172	...	28,800
Friday	101	...	28,901

CHICAGO, Dec. 30.—Buying of turpentine continues to be confined to small lots for early shipment. Ruling prices at the close of business last night were:—Five-drum lots, 37c. per gallon; five wood barrels, 42c.; single drums, 40c.; single barrels, 45c.

LONDON, Dec. 30.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
*Saturday	..	..
*Monday	..	..
Tuesday	31	6
Wednesday	31	9
Thursday	31	9

* Holiday.

Rosin.—Quieter conditions prevailed in the local market last week, consumers being disposed to curtail purchases or hold aloof as usual at this period when preparations are under way for the work of inventory taking. The tone of the market here was firm, however, this being a reflection of developments in the South, where the trend of prices was upward at times. Takings by domestic and foreign buyers in primary centers showed a very noticeable falling off last week, but the clearances for foreign destinations on contracts previously placed were liberal and there was a decrease in primary stocks.

PENSACOLA, Dec. 24.—The rosin market continued quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	523	551	332	578	248	...
Shipments	200	...	1,050	896	825	...
Stocks	30,736	31,287	30,569	30,251	29,674	...

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 6

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LABORATORY CONTROL UNIFORM QUALITY
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SAVANNAH, Dec. 31.—The rosin market was quiet. Changes in prices were narrow. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	*Wed.	*Thurs.	*Fri.
B	...	$4.25	$4.25	...	...	...
D	...	4.25	4.25	...	...	...
E	...	4.25	4.50	...	...	...
F	...	5.55	5.62½	...	...	...
G	...	5.55	5.62½	...	...	...
H	...	5.70	5.82½	...	...	...
I	...	5.75	5.82½	...	...	...
K	...	5.90	6.00	...	...	...
M	...	6.05	6.15	...	...	...
N	...	6.10	6.25	...	...	...
WG	...	6.85	7.00	...	...	...
WW	...	7.20	7.40	...	...	...
X	...	7.20	7.40	...	...	...
	Barrels					
Sales	...	546	653	...	...	...
Receipts	...	1,199	1,074	...	...	...
Shipments	...	1,375	7,633	...	...	...
Stocks	...	90,037	83,478	...	...	...

* Market closed.

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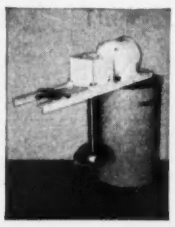

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Hercules Powder Company Exhibit at 1937 Chemical Exposition

JACKSONVILLE, Dec. 31.—Rosin quotations moved within moderate limits, the tone of the market being steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted					
	*Sat.	Mon.	Tues.	*Wed.	*Thurs.	*Fri.
B	...	$4.10	$4.25	...	...	...
D	...	4.10	4.25	...	...	...
E	...	4.10	4.25	...	...	...
F	...	5.40	5.50	...	...	...
G	...	5.45	5.60	...	...	...
H	...	5.60	5.75	...	...	...
I	...	5.75	5.85	...	...	...
K	...	5.85	6.00	...	...	...
M	...	6.05	6.15	...	...	...
N	...	6.10	6.20	...	...	...
WG	...	6.85	7.00	...	...	...
WW	...	7.20	7.40	...	...	...
X	...	7.20	7.40	...	...	...
	Barrels					
Sales	...	777	684	...	...	...
Receipts	...	3,271	869	...	...	...
Shipments	...	2,392	...	...	...	...
Stocks	...	60,333	61,202	...	...	...

* Market closed.

CHICAGO, Dec. 30.—Quietness continues in the rosin market. It is hoped that after the turn of the year there will be a pick-up in business. Ruling prices at the close of business last night were: B grade, $7.25 per lot of 280 pounds; G grade, $8.62½; M grade, $9.15; W. W. grade, $10.40.

LONDON, Dec. 30.—Quotations on American rosin were as follows:—

	Per cwt. in barrels			
	Common.		W.W.	
	s.	d.	s.	d.
*Saturday	..	..	..	..
*Monday	..	..	..	..
Tuesday	14	9	19	3
Wednesday	14	9	19	3
Thursday	14	9	19	3

* Holidays.

Pine Oil.—Quieter conditions prevailed here as usual at this season, but the market retained a steady tone, selling schedules being maintained at the levels ruling in the previous week.

Pitch.—Prices were generally maintained at former levels, the tone of the market being steady. There was a fair inquiry but purchases were generally limited to small quantities to fill current needs.

Rosin Oil.—The situation was steadier, this being a reflection of recent developments in southern markets for basic materials. There was no broadening of trade, consumers being disinclined to purchase in advance of current needs.

Tar.—Previous selling schedules remained in effect, the tone of the market being steady. There was a fair movement into local and outside consuming channels.

Shellac

The final week of the year was one of inconspicuous activity. In keeping with the usual trend of demand at the end of the twelve-month period, the call was restricted in all senses of the word and hence volume was very low. Furthermore, there was no substantial interest being shown in deliveries to be made early in the new year. Buyers' actual requirements were still contracted within small confines and signs of an early expansion in buying were not clearly defined. Pricewise, the spot market appeared to be reasonably steady, a fact that connected directly with the basic stability ruling values in the London and Calcutta markets. No open changes were made here, and the foreign markets were up slightly.

Calcutta, Dec. 30.—Shellac quotations, on the landed New York basis, ex dock net cash, were as follows:—

	Per pound	
	Dec. 23.	Dec. 17.
December	10¼c.	10¼c.

Day-to-day quotations were as follows:—

	Per pound.
December 23	10¼c.
*December 25	..
*December 27	..
December 28	10¾c.
December 29	10¾c.
December 30	10¾c.

* Holiday.

London, Dec. 30.—Prices quoted on pure T. N. shellac, basis of sterling exchange at $4.88, were as follows:—

	December 30.		December 23.	
	Shillings. Cwt.	Cents. lb.	Shillings. Cwt.	Cents. lb.
March	43½	9.6	43	9.3
May	44½	9.7	44	9.5

Day-to-day closing prices were as follows:—

	Per hundredweight	
	March.	May.
December 23	43s.	44s.
*December 25	..	..
*December 27	..	..
December 28	43s. 6d.	43s. 6d.
December 29	43s. 6d.	43s. 6d.
December 30	43s. 6d.	43s. 6d.

* Holiday.

Lacquer Materials

Business in the market for lacquer materials continued highly irregular during the week just closed. The general low operating level of most consuming manufacturers, together with the usual year-end holidays and inventory period restricted current business considerably. Ethyl acetate and isopropyl acetate were reduced one cent a pound. Reports from the automobile industry revealed further declines in production schedules with certain major manufacturers announcing curtailed production schedules, while certain others shut down for the holiday inventory period.

Acetone.—Business moved at a dull pace at times during the week just ended. No change was uncovered in quotations.

Butyl Acetate.—This market continued along the same lines as in previous week, with demand slowed down considerably as the result of low operating schedules of consuming manufacturers and seasonal influences. Quotations remained unchanged from previous week.

Dibutyl Phthalate.—Demand was slow in this market throughout the week under review. Despite the quiet character of business, prices were well held at previous levels.

Ethyl Acetate.—Price schedules for the first quarter of 1938 issued during the week show a reduction of 1c. per pound. The schedule follows:—Ethyle acetate in drums, car lot, 6½c. per pound; less car lot, 7c. per pound.

Isopropyl Acetate.—A reduction of 1c. per pound was revealed in price schedules issued for the first quarter of 1938. The schedule follows:—Isopropyl acetate in drums, car lot, 6½c. per pound; east of the Rocky Mountains, less car lot, 7c. per pound and tanks, 5½c. per pound.

Trieresyl Phosphate.—The situation remained relatively the same as the past few weeks, with demand confined to moderate amounts to take care of nearby needs. Prices were firm.

Driers

After weeks of indecision, manufacturers of stearate driers offered contracts for the first 90 days of 1938 at unchanged prices from those previously in force. The initial offering of new agreements for the first quarter of the new year took place Wednesday of last week. Palmitates will also be unchanged in price.

Glues and Binders

Casein.—There was no activity in the market last week. The paper coaters and other buyers seemed to have enough material bought to fill their prompt and nearby needs. Domestic material continued at 11c. to 11½c. per pound for car lots of 20-30 mesh and the 80-100 mesh material was priced at 11½c. to 12c. per pound. Argentine was not creating much of a ripple in this market.

Glues.—There has been no further deduction of price since the cut of 1c. per pound in both bone and hide glues a few weeks ago. There was practically no buying done during the period under review.

Nashville Paint Club Invited Into N.P.V.L.A.

The Nashville Paint Dealers Association, oldest paint club in the South, will consider at its next regular meeting an invitation to affiliate with the National Paint, Varnish and Lacquer Association. The invitation was extended on behalf of the national association by Secretary Reuel W. Elton on a recent visit to Nashville. V. P. Warren, Southern zone vice-president of the national association opened negotiations for affiliation of the Nashville and national associations, and John H. Anderson, Lowe Brothers representative in Nashville and president of the Nashville association, was enthusiastic about the possibility of extending the association's influence through affiliation with the national association.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 6

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Oils, Fats, and Waxes

Cottonseed Oil Firmer, Then Weaker with Outside Markets —Chinawood, Oiticica and Perilla Oils Stronger—Tallow Offerings Light and Market Steady—Trade Quiet

Business in miscellaneous oils, fats and greases continued quiet last week. Here and there a fair inquiry was noted from consumers who were in need of fresh supplies but purchasing was confined to small quantities to fill immediate needs, consumers being disinclined to add to inventories at this period despite the low prices prevailing for many products. The break in the market for securities and the unfavorable character of reports concerning conditions in important consuming industries as well as the uncertainty regarding legislation at the coming session of Congress also had a tendency to make consumers inclined in many cases to adhere to a waiting policy with respect to future supplies. Changes in quotations were generally narrow. A development of interest was the announcement of a reduction in soap prices by a large western manufacturer, this action being the result of lessened cost of raw materials.

Chinawood oil was higher, the market being strengthened by a lack of offerings from abroad. Oiticica and perilla oils were stronger with chinawood. Slightly higher prices were named for crude corn oil. Coconut oil remained firm though no further change occurred in prices. Cash lard had a downward trend at times but changes in prices were within comparatively narrow limits in the absence of wide fluctuations in futures. Marketing of hogs was on a moderate scale. Stearin was available at lower prices but buying interest was not stimulated by the concessions. Lard and neatsfoot oils were steadier, fractionally higher prices being quoted for some grades. Quotations on oleo oil were reduced rather sharply. Crude and refined fish oils were steady. Tallow offerings were light and the market appeared to be in a somewhat steadier position.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Chinawood oil, 1c. per lb.
Corn oil, ¼c. per lb.
Lard oil, ¼c. per lb.
Neatsfoot oil, ¼c. per lb.
Oiticica oil, ¼c. per lb.
Perilla oil, ¼c. per lb.

Reduced

Lard, 15c to 25c. per 100 lbs.
Lard, compound, ¼c. per lb.
Oleo oil, 2c. per lb.
Stearin, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.6	118.8	121.8	153.6

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The market retained a firm tone although prices lacked further change. Producers were not in a position to offer for nearby delivery owing to a shortage of supplies of raw material, arrivals of kernels from Brazil in recent weeks having been very small.

Chinawood.—Local and Pacific coast markets were firmer although there was little in the way of activity to record. Offerings from China fell off, however, and holders of the spot oil named higher prices for the small supplies available. Quotations ranged from 15½c. to 16c. per pound and some business was reported to have been closed within these limits which showed an advance of about 1c. per pound as compared with the prices named for spot oil late in the previous week. Advices from the Pacific Coast stated that offerings from Hongkong for shipment were scarce throughout the week.

Coconut. — Crude was quieter here last week and there was little in the way of activity to record on the Pacific Coast. The tone of domestic markets was apparently steady or firm, however, despite the lack of buying interest as the Far Eastern position of copra and cocnut oil underwent little change. Offerings of copra were reported as light, although nothing was heard in the way of further purchases for account of European interests. Local oil quotations were maintained at recently advanced levels. Refined oil was also quieter but the market retained a steady tone, previous selling schedules being adhered to by local interests.

Corn. — Crude oil had a steadier tone, quotations in some instances being ⅛c. higher, although there was apparently little improvement in trade, many consumers still being inclined to await further developments in other commodities. The tendency of some competing products was upward at times, however, and offerings were generally light. Refined oil was in fair demand.

Cottonseed. — Edible oil met with a fair demand and the market had a steady tone, quotations being maintained at previous levels by refiners. Imported oil was nominal.

Mustard. — The market was steady at the recently revised quotations. There was a fairly active inquiry.

Oiticica. — The tone was stronger, but aside from this the situation lacked features of interest. Trade was quiet, consumers being inclined to await further developments in other oils. Offerings were reported as light on spot and for shipment, with quotations ¼c. to ½c. higher.

Olive. — Denatured oil met with a fair inquiry, but as usual at this season consumers were disposed to limit their takings, as a rule, to comparatively small quantities to fill current needs. Demand for foots was quiet. The market had a steady tone and quotations underwent little change.

Palm. — The prevailing tone was steady as offerings from abroad were light, with shippers reported as firmer than recently in their views as to values. There were reports of a somewhat better inquiry, though transactions were apparently limited to unimportant quantities.

Perilla. — There were reports of a slightly larger inquiry and the market had a steadier tone. Supplies in some quarters appeared to have diminished and less was heard of the offerings at the concessions recently named. Supplies abroad were said to be light, with shippers firm in their views as to values.

Rapeseed. — With spot supplies light and replacement costs still high, the market here continued to present a steady appearance, although buying interest was still apparently limited to small quantities to fill current needs. Shipments of seed from India to the United Kingdom and the Continent from January 1 to December 15 were 40,300 tons against 30,700 tons in the same time last year.

Markets at Other Centers

San Francisco, Dec. 28.—The market for vegetable oils was quiet with the prevailing tone steady.

Ruling prices are:—

COCONUT.—Stronger. Coconut oil is quoted on the basis of 4c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills for delivery during the early part of next year. Sales however are slow.

CHINAWOOD.—Stronger. Chinawood oil is quiet, but the market firmed up during the past week to a quotation of 15c. per pound in tankcars, f.o.b. Pacific Coast ports. Importers here have received but very little word from foreign suppliers lately.

BABASSU. — Steady to stronger. Bids are said to be in the market today at 6½c. per pound in tankcars, f.o.b. mill, Pacific Coast for January/February shipment, but sellers' ideas are in the neighborhood of 6¾c.

PERILLA.—Crude perilla oil is quoted on the basis of 10⅝c. per pound in tankcars, f.o.b. Pacific Coast for spot and spot and nearby positions and 10½c. per pound for deferred delivery.

RAPESEED. — Refined rapeseed oil is quoted on the basis of 11¼c. per pound, duty paid, tankcars, f.o.b. Pacific Coast ports, nominally.

TEASEED.—Quoted on the basis of 8¾c. per pound in tankcars, nominally, f.o.b.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 6

• OILS •
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PERILLA OIL
SARDINE OIL
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Pacific Coast ports, January/February shipment from the Orient.

COPRA.—Sales have been confirmed here recently at 2.35c. Philippine shippers remain firm in their ideas of price. The movement to the Coast has been good of late with a number of large arrivals appearing here recently.

Chicago, Dec. 30.—Most grades of vegetable oils are still in a generally depressed condition. Sellers have plenty of material to offer in most cases, while buyers continue to exercise considerable caution.

COCONUT.—Crude oil, 3¾c. to 4c. per pound, nominal, Coast basis. Refined, edible oil, 9½c. to 10c. per pound, car lots; and 10c. to 10¼c., barrels, less than car lots.

CORN.—Crude, low acid, 6⅝c. to 6⅞c. per pound, partly nominal. Refined, edible oil, 9¼c. to 9¾c. per pound, car lots; and 9¾c. to 10¼c., barrels, less than car lots.

CHINAWOOD.—Ruling nominal, 15c. to 16c. per pound.

PEANUT.—Crude, 6½c. to 6¾c. per pound, Southeast.

Chicago, Dec. 30.—Range for soybeans for the week ended December 28:—No. 2, yellow, spot, 94½c. to 98¼c.

London, Dec. 23.—Soybean, British, crude, 27s. per hundredweight; palm kernel oil, refined, 30s. 3d.; rapeseed oil, crude, extracted, 36s.; coconut oil, Ceylon, 23s.; peanut oil, Bombay crude, 25s.; sardine oil, 15s. 6d.; whale oil, crude, 17s. 3d.

Linseed Oil

Flaxseed futures were quiet. Demand for cash seed continued active. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, Dec. 30.—Apparently traders in this market are playing a waiting game, for the sum total of flax transactions is small, and the interest is negligible at present, despite the fact that flax prices in general seem to be on the upgrade. The talent is interested in the Argentina reports, because of the surprising smallness of the crop, but for the present is not showing any anxiety to buy.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
*Saturday	...	...	...
Monday	$2.13½	$2.00	$2.00
Tuesday	2.13½	2.00	2.00
Wednesday	2.12	2.00	2.00
Thursday	2.10½	1.98	2.00

* Holiday.

Crop movement in bushels follows:—

	Receipts— 1937.	1936.	Shipments— 1937.	1936.
This week..	82	....	....	3,000
Since Aug. 1...	689,915	1,023,265	1,110,638	669,321

MINNEAPOLIS, Dec. 30.—An avid crusher demand for cash flax continued through the week and prices were all of firm compared with futures. Crushers were the only buyers and competed for the best types. Supplies continued to come from a wide territory but there was a fair proportion of northern choice quality offered. Elevator buyers showed some interests in daily arrivals but failed to bid over crusher valuations. There was no demand at diversion points at all.

Stocks in local public elevators evened up for three days. Deliveries today totalled 25,000 bushels. At the close of the market Monday only 1,000 bushels open interest was shown but holders transferred some of their hedges back from May to the near month. Today was the last day of trade in December futures so deliveries will be virtually nil from now on. Most of the seed tendered on contracts so far has been ordered out, chiefly to local crushing mills. No shipments have been made from this market since last Friday.

Shipping advices from the country are limited, so no important terminal receipts are expected in the near future. Farm deliveries to interior elevators are straggly and unimportant and stocks held by shippers are moderate to light. The campaign to increase acreage next spring has encouraged the holding back of some good flax for seed use.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
*Saturday	...	...	...
Monday	$2.15	$2.01½	$2.02
Tuesday	2.14½	2.01½	2.01½
Wednesday	2.13	2.00	2.00
Thursday	2.11½	...	1.98½

* Holiday.

Crop movement in bushels as follows:—

	Receipts— 1937.	1936.	Shipments— 1937.	1936.
This week..	29,480	39,520	....	....
Since Sept. 1...	3,017,290	1,722,110	569,970	367,450

WINNIPEG, Dec. 30.—The flaxseed situation lacked new features, trading continuing quiet. The week's closing range was as follows:—

	Cash.	Dec.	May.
*Saturday	...	...	...
Monday	$1.71	$1.71	$1.71¼
Tuesday	1.71¼	1.71¼	1.71½
Wednesday	1.71½	1.71½	1.72¼
Thursday	1.72	1.72	1.73½

* Holiday.

BUENOS AIRES, Dec. 30.—Opening prices per bushel on February contracts were:—

	Last week.	Last year.
Saturday	*	$1.19¾
Monday	$1.30⅜	1.20⅛
Tuesday	1.30⅜	1.20⅞
Wednesday	1.30	1.20⅝
Thursday	1.29⅞	1.20½

* Holiday.

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels— Last week.	Previous week.	Last year.
United Kingdom..	40,000	40,000	12,000
Continent	.....	.....	32,000
Others	160,000	8,000	12,000
Totals	200,000	48,000	56,000

Since April 1—	Bushels— This year.	Last year.
United Kingdom	6,519,000	8,268,000
Continent	268,000	868,000
Others	1,076,000	612,000
Totals	7,863,000	9,748,000

HULL, Dec. 30.—Quotations on flaxseed were:—

	Per ton— La Plata.	Bombay.
*Saturday	...	...
*Monday	...	...
Tuesday	£12½	£15⅛
Wednesday	12½	15⅛
Thursday	12½	15⅛

* Holiday.

Linseed Oil.—A steady tone prevailed in the local market although there was little to record in the way of activity. Variations in flaxseed prices in domestic and foreign markets were generally within rather narrow limits, however, and linseed oil quotations were maintained at former levels. As usual at this season, consumers were disposed to curtail purchases or hold aloof pending further developments in the Argentina crop situation as well as in the markets here for other commodities.

Demand for cash flaxseed in northwestern markets was active. Crushers continued to be the chief buyers. Offerings were readily absorbed and cash premiums over futures were maintained. Receipts at terminal points were light and seemed likely to remain so for a time as country offerings were still limited.

The Argentina seed situation was generally viewed as bullish. A recent official estimate of the exportable surplus in that country for the new season put it at only 51,290,000 bushels. Exports from Argentina to all destinations from January 1 last to December 24 were 71,697,000 bushels. Of this total 25,724,000 bushels were shipped to the United States.

Receipts of flaxseed at New York last week were 629,412 bushels.

There was no trading in linseed oil futures on the New York Produce Exchange from December 24 to December 30, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	...	...	8.50@9.00
March	...	...	8.65@9.10

MINNEAPOLIS, Dec. 30.—Demand for linseed oil is improving though actual trade is light. Buyers are still watching the business situation closely and are slow to take important quantities. Because of bullish Argentine news inquiry for shipment during the first six months of 1938 is good. However, no round-lot contracts are being written up. Crushers expect improvement in forward buying right after the turn of the year, especially if the legislators and business men get together at the opening of the new session of congress.

Shipping instructions on maturing contracts continue light and disappointing. Crushers expected improvement before this on account of light inventories but have been disappointed. A few small lots of oil are being sold for immediate shipment and instructions are furnished with orders.

Operations are very light and stocks are accumulating. Maybe 20 percent of the presses are in action locally.

Quotations on carload lots f.o.b. Minneapolis, cooperage, 10.6c. per pound; warehouse lots, 11c. per pound; tankcar lots, 10c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week	477,259	945,940
Since Sept. 1	20,478,684	18,494,441

CHICAGO, Dec. 30.—A slightly better tone has developed in linseed oil, along with a like turn reported in some of the other vegetable oils. Buyers have let their purchases dwindle to such a low level that it is felt they will have to buy at a somewhat better rate. Inquiry is reported a little more active. Ruling prices of representative sellers are:—Tankcar, 10c. per pound; car lots, 10c.; less than car lots, 11c.

SAN FRANCISCO, Dec. 28.—Contract deliveries of linseed oil are slow and new business is marking time. Ruling prices are:—Tankcars, 9.8c. per pound; drum car lots, ex mill, 10.4c.; drum lots, ex warehouse, 10.8c.

LONDON, Dec. 30.—Quotations on linseed oil were:—

	Per cwt. s.	d.
*Saturday	..	..
*Monday	..	..
Tuesday	28	0
Wednesday	27	7½
Thursday	27	7½

* Holiday.

Cake and Meal.—Quieter conditions prevailed in the local market but the tone remained firm and quotations were held at recently advanced levels. Few export inquiries were received and the domestic movement was apparently in the main against unfilled contracts. Business in meal in outside markets was reported as active.

MINNEAPOLIS, Dec. 30.—There is a ready demand for meal that can be shipped immediately, but in the main crushers are bothered with an excess of instructions on old contracts and have nothing to sell for delivery this year. Insofar as round lots are concerned there is nothing doing. Crushers are more anxious to deal in forward meal than are the buyers. Prices are regarded as too high by most of the consumers and they expect easement after the first of the year. On the other hand crushers still have more old contracts to fill than they can care for readily and are not trying very hard to sell round lots for winter shipment.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $39.50 to $40 per ton.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week	1,887,048	1,424,190
Since Sept. 1	78,327,959	37,339,708

CHICAGO, Dec. 30.—A strong tone continues to be shown in the linseed meal market. Feeders are anxious to protect their needs, and the pasturage situation is reported in much of the country to be favorable to extensive purchases. Offerings of crushers and resellers are not very extensive at this time, and the price structure is reported in good shape. Round lot business is still limited. Ruling prices are:—Round lots, $38 per ton, largely nominal; car lots, $38.50 to $39; less than car lots, $40.50 to $41.

Cottonseed Oil

Refined cottonseed oil futures were irregular within narrow limits. Southern markets for cottonseed products generally steady.

Cottonseed Oil.—Trading in refined oil futures continued quiet last week and there were few developments of more than ordinary interest. Transactions during the first three days of the week aggregated only 215 contracts. Changes in prices were narrow, the tone being firmer early in the period and weaker later on, with the fluctuations mainly a reflection of developments in outside markets. For the time being at least sentiment among some was less friendly to the market, mainly as a result of the weakness in securities, the less favorable reports concerning conditions in industries in which the consumption of raw materials of various kinds is important and the prevailing uncertainty as to tax and other legislation at the coming regular session of Congress.

The depressing developments in outside markets led to more or less selling for account of local and other longs. There was also some selling supposedly of a hedging character though, as in recent preceding weeks, pressure from this source was unexpectedly light. On weak spots some recent sellers covered and commission houses also made purchases of the spring and summer months in a limited way. Further undoing of straddles, originally made by sales of cottonseed oil against purchases of cotton, was noted. There was switching from near to distant months and some would not be surprised to witness an increase in operations of this character in the near future. January was switched to May at 3 to 4 points difference and to July at 4 to 11 points. March was switched to July at 7 points difference, and May to July at 4 points.

Crude oil was generally steady in southern markets. Mills in some sections were closed down for the year-end holidays and offerings were light with sellers disinclined to accept bids at a shade under 6c. in the southeast and the Valley. Lard compound was available at lower prices but the general market for oils and fats had a steady tone despite the absence of any improvement in business. There were fewer export inquiries for lard but this was attributed by some to the holidays in foreign markets. Exports of lard from Atlantic and Gulf ports from November 1 to December 24 were 34,106,960 pounds or about 12,000,000 pounds more than in the same time last year.

Marketing of hogs continued on a moderate scale, arrivals in the principal western centers for three days of the week aggregating 215,300 head against 244,300 head in the same time last year. The weight of the hogs received in Chicago during the week ended December 25 averaged 237 pounds against 233 pounds in the previous week and 224 pounds in the same week last year. The recent government pig crop report reflected a tendency among farmers in the corn belt states to delay marketing of 1937 spring pigs. Although the spring pig crop in that area was estimated at about 10 percent less this year than last year, the number of hogs on the farms over 6 months of age on December 1 was slightly larger this year than last year.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from December 24 to December 30, inclusive, comprised 428 contracts, a total of 25,680,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	7.22	6.97	7.08@7.10
March	7.21	7.02	7.11@7.12
May	7.24	7.05	7.14 sale
July	7.27	7.13	7.17 sale

Crude, Southeast, 5.87½@6.00c.

Hull, Dec. 30.—Quotations on cottonseed oil were:—

	Refined. Per cwt.	Egyptian crude. Per cwt.
*Saturday	.. ..	.. ..
*Monday	.. ..	.. ..
Tuesday	22 0	19 0
Wednesday	22 0	19 0
Thursday	22 0	19 0

* Holidays.

Cake and Meal.—A steady tone continued to be reported in Southern markets for spot material. Quieter conditions prevailed so far as new business was concerned as usual at this season, but there were reports of a steady movement on contracts. Offerings were reported as light. Farmers in some sections are said to have taken considerable

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 6

CHLOROPHYLL
BETA CAROTENE XANTHOPHYLL
ALL GRADES AVAILABLE
AMERICAN CHLOROPHYLL, Inc., 570 Lexington Ave., New York - Alexandria, Va.

DEGRAS
COMMON • NEUTRAL FATTY ACIDS
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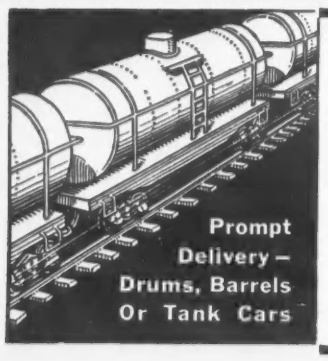
ANHYDROUS & HYDROUS, U.S.P. TECHNICAL • ABSORPTION BASE
N. I. MALMSTROM & CO. 147 LOMBARDY ST. BROOKLYN, N. Y.



TALLOW
LARD OIL
NEATSFOOT OIL
ANIMAL STEARINE
ACIDLESS TALLOW OIL
INDEPENDENT MFG. CO.
Bridesburg P. O. Philadelphia, Pa.

meal from producers recently in exchange for seed.

Markets at Other Centers

Atlanta, Dec. 28.—Cottonseed products are without change. The feed trade is reported to be absorbing more than the usual amount of meal, a good deal of it, however, being taken by farmers on trade with mills for seed.

Cotton growers as well as oil millers are making no haste about plans for 1938.

Quotations of this market are as follows:

OIL.—Prime crude 5⅞c. to 6c. per pound.

MEAL.—$22.50 to $23 per ton interior mill points.

HULLS.—Loose, $7 per ton.

Memphis, Dec. 30.—Practically no trading in crude cottonseed oil this week. Today, 5¾c. bid; few scattered lots available at 5⅞c. Mills seem to withdraw offerings on setbacks. Meal in fair demand and steady at $22 per ton for 41 percent. Cake $19.50 per ton, Valley points. Ginning practically at standstill owing to continued inclement weather. Considerable cotton still in fields.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	December 22.	December 29.
January	$21.40@—	$21.50@—
March	20.95@—	21.05@21.30
May	20.75@—	20.80@—
July	20.75@21.10	—@—

Animal Oils

Degras.—Quieter conditions prevailed but the market retained a steady tone. Supplies on spot appeared to be small and there was no increase in offerings for arrival. Buying interest was limited to comparatively small or moderate quantities.

Lard.—Quotations on most grades were ¼c. per pound higher, with the tone of the market steadier. There was no broadening of trade, consumers being disinclined to purchase in advance of immediate requirements.

Neatsfoot.—The market had a steadier tone, quotations in some cases being ¼c. higher. There was a fair inquiry for unimportant quantities for prompt shipment.

Oleo.—The situation continued to be featured by an easy tone in the absence of any improvement in demand, purchasing apparently being confined to comparatively small or moderate quantities. Quotations were reduced 2c. per pound.

Markets at Other Centers

Chicago, Dec. 30.—Buying of animal oils has been inclined to hold along conservative lines in the last few days. The price structure has been fairly steady.

LARD.—No. 1, 9c. to 9¼c. per pound.

OLEO.—No. 2, 10¼c. to 10½c. per pound.

TALLOW.—Acidless, 8¼c. to 8½c. per pound, tanks; 9¼c. to 9½c., drums.

Fish Oils

Menhaden.—The local market for refined oil was quieter last week. Inquiries were not entirely lacking but as usual at this season when the work of inventory taking is under way or about to begin consumers were not inclined to purchase in advance of immediate needs. In the absence of any change in the crude situation, however, the local market for refined oil continued steady, previous selling schedules remaining in effect.

Sardine.—A steady tone continued to prevail in the local market for refined oil, previous quotations remaining in effect. There was little chance in the attitude of consumers, such inquiries as were noted being limited to small quantities. Crude was quiet and steady on the Pacific Coast.

Whale.—The market for refined oil had a steady tone but aside from this the situation lacked features of interest. Business was reported as quiet and quotations were stationary.

Markets at Other Centers

Baltimore, Dec. 29.—With the menhaden fishing along the Atlantic coast down to the Carolinas at an end, there will be no further additions to the stocks of fish oil until the next season. Operations off the Florida coast will not be resumed until next March, and until then it is expected that business in oil will undergo almost complete suspension. No additional sales have been reported down the lower Chesapeake Bay as the fishing companies did not make enough of the product to take care of all the orders booked in the early part of the season on a when-and-if-made plan basis. The last sales of which there was any were any advices were negotiated at 37½c. per gallon. Potential buyers might be disposed to pay 35c. per gallon, but actual offers are withheld because of the absence of supplies beyond a few tanks reserved for special purposes. Refined oil is still being quoted at 53c. to 55c. per gallon for light pressed; 55c. to 57c. per gallon for yellow bleached, and 57c. to 59c. per gallon for white bleached.

San Francisco, Dec. 28.—Pacific Coast fish oils passed through the Christmas week devoid of any marketing or production interest and the market stood today much as it did during the previous week. Bids were generally lacking from potential buyers and sellers were in a position of not having oil for sale because of recent poor production. The market stands nominally at 35c. per gallon in tankcars, northern California basis while the posting is conceded at 38c. in the south. These figures, however, are no specific indication as to what an actual going price might be because of the lack of trading interest on either side.

Fishing boats managed to turn a little tonnage into the reduction plants during a slight interval between the last full moon and Christmas Day and present indications are that they will take further quantities between now and the New Year holiday.

There will probably be but very little trading from now to the finish of the season. It is conceded in some quarters that the industry may at the moment be oversold, but at the same time there will undoubtedly be a little more oil on the market owing to the fact that some producers have been conservative and have not released all of their potential production into contracts.

Fats and Greases

Grease.—A steady tone prevailed and quotations were generally maintained at former levels. Supplies available for prompt delivery appeared to be small or moderate. There was a fair inquiry.

Lard.—Cash product displayed irregularity but changes in quotations were generally moderate in the absence of wide fluctuations in futures. Domestic business was on a fair scale. The foreign inquiry was lighter owing to the holidays abroad. Marketing of hogs was moderate.

Stearin.—The market had an easier tone, influenced by recent developments in other commodities. Quotations ranged from 7c. to 7½c. per pound. Demand was light.

Tallow.—Quiet conditions prevailed much of the time but the tone of the market appeared to be steadier in company with some other commodities. Occasional inquiries were noted for comparatively small quantities but consumers of importance were still inclined to hold off for further developments. Offerings were reported as light here and in outside markets. The last business reported was at 5⅞c. per pound for extra.

Trading in tallow futures on the New York Produce Exchange from December 24 to December 30, inclusive, comprised 2 contracts, a total of 120,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
January	6.15	6.15	6.00@6.30
March	6.15	6.15	6.05@6.15

Markets at Other Centers

Chicago, Dec. 28.—Lard market values are still in an easy trend. However, some of the related fats have reversed their recent easiness and are ruling at fractionally better levels. Inquiry is out for a fair volume of material for arrival at destination after the first of the year. In general the market is quiet.

The range of lard quotations from the opening Friday, December 24, to the close Thursday, December 30, is shown in the following table:—

	Per 100 pounds				
	Open.	High.	Low.	Close.	Previous Thurs.
Cash	$8.17	$8.17	$7.90	$7.90	$8.22
Jan.	8.32	8.40	7.95	8.00	8.40
May	8.77	8.85	8.52	8.60	8.82

TALLOWS (tierces).—Edible, 8¼c. to 8½c. per pound; prime, 6¼c. to 6½c.; fancy, 6c. to 6¼c.; special, 5⅜c. to 5½c.; No. 1, 5¼c. to 5⅜c.

GREASES (tierces).—Choice white, 6¼c. to 6½c. per pound; A white, 5½c. to 5⅝c.; B white, 5c. to 5¼c.; yellow, 10-16, 4¾c. to 5c.; yellow, 16-20, 4½c. to 4¾c.; brown, 4¼c. to 4½c.

STEARINS (barrels).—Prime oleo, 7c. to 7¼c. per pound; lard, packages, 8¾c. to 9¼c.; A white grease, 5¾c. to 6c.; yellow grease, 4¾c. to 5c.; extra oleo stocks, 10¾c. to 11c.; No. 2 stocks, 10c. to 10½c.

Liverpool, Dec. 30.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	Dec. s. d.	Jan. s. d.	May. s. d.
*Saturday	.. ..	.. ..	.. ..	.. ..
*Monday	.. ..	.. ..	.. ..	.. ..
Tuesday	50 0	42 6	41 9	42 3
Wednesday	50 0	42 9	42 0	42 6
Thursday	49 0	43 6	42 0	42 6

* Holidays.

Liverpool, Dec. 30.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
*Saturday	.. ..	.. ..
*Monday	.. ..	.. ..
Tuesday	22 0	21 3
Wednesday	22 0	21 3
Thursday	22 0	21 3

* Holidays.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 6

Fatty Acids

Red Oil.—The market retained a steady tone, quotations being held by producers at the levels prevailing in the previous week. Buying interest was generally limited to comparatively small quantities.

Stearic Acid.—As usual at this season, consumers were disposed to confine their purchases to small lots to fill current needs. Quotations were unchanged and the tone of the market appeared to be steady.

Markets at Other Centers

Chicago, Dec. 30.—Buyers of fatty acids have taken out a little material. Inquiry has been better for business after the first of the year.

FATTY ACIDS.—Corn oil, double distilled, 7¼c. to 7¾c. per pound, tankcar; 7¾c. to 8¼c., barrels, car lots; 8¼c. to 8¾c., barrels, less than car lots; coconut oil, acidulated, 7¾c. to 8¼c., tankcar, mostly nominal; 8¼c. to 8¾c., barrels, car lots; 8¾c. to 8¼c., barrels, less than car lots; cottonseed oil, double distilled, 7c. to 7½c. per pound, tankcar; 7½c. to 8c., barrels, car lots; 8c. to 8½c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅞c. to 3c.; boiled down soap stock, 65 percent basis, 3⅞c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1⅜c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

RED OILS.—Distilled or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

Waxes

Bayberry.—The market was normally dull now that the holiday season is past and demand from the candle makers put aside for another eight or ten months. Other users were also aloof from the market. Prices were unchanged.

Bees.—Shipments from lands where Summer now prevails may be expected to increase as the new year passes. Of late, prices have had an easier tone and last week they were still mainly favorable for buyers. Local trade, of course, was comparatively dull but leaders looked forward to the future with a fair amount of confidence.

Candelilla.—Inactivity in the carnauba market was reflected in that for this article. Buyers were aloof, present inventories caring readily for all requirements. Prices were fairly steady on the whole, yet some unsettlement was noted and occasional shading in resale quarters might result under competitive circumstances.

Carnauba.—Spot business was nominal; buyers were aloof. Some sellers reported a moderate interest in futures but others said that such trade was small at the best. All agreed to the extent of reporting a lack of offerings from the source. The lack of cables was almost total, yet so far as this market was concerned the absence was not important last week, since demand was so light. Just what the trouble may be in Brazil was not known but there was talk of difficulties with exchange, proposed taxes, political dislocation and its adverse effect on commerce—all of which beset the Brazilian shippers more or less.

Japan.—The market showed signs of being more competitive now that trade was down to small limits and the future of consumption rested on what happens to consuming industries during the forthcoming quarter. Open quotations lacked change but they were practically unsettled.

Cottonseed Freights Shift Sought in Alabama

BIRMINGHAM, Dec. 30, 1937.

The Alabama Public Service Commission has received a petition joined in by all railroads operating in the State, seeking to cancel, with certain specified exceptions, all present carload and less than carload intrastate freight rates on cottonseed, cottonseed products, and related articles, and to apply class rates in lieu of them. This would result in reducing existing charges in some instances and increasing them in others.

The matter has been set for hearing February 9, 1938. A protest against the proposed change has already been filed by the Birmingham Traffic Association.

Soybean Oil Varnish Stands Weather Test

(Continued from page 3)

ated by the Bureau of Chemistry and Soils, and the Bureau of Plant Industry of the United States Department of Agriculture in cooperation with the State agricultural experiment stations of Illinois, Indiana, Iowa, Minnesota, Wisconsin, Michigan, Ohio, Missouri, Kansas, Nebraska, and the Dakotas. One of the first projects undertaken at the laboratory was the study of the use of soybean oil in paints and varnishes, with particular reference to improving the quality of paints, varnishes, and enamels using soybean oil.

Holiday Mementoes Received

The REPORTER acknowledges in appreciation the receipt from the following of mementoes of the holiday season as noted:—

Philipp Bauer Company, New York—Winter scene card of greetings and best wishes.

Comex, S. A., Mexico, D. F., Mexico—Christmas card with a Mexican village street scene.

Downtown Fireproof Vaults, Inc., New York—Hanging card calendar with a map of lower Manhattan.

Electro Bleaching Gas Company and Niagara Alkali Company, New York—Noel number of the *Pioneer* with a ten-year prophetic Christmas message.

Franco-American Hygienic Company, Chicago—Friendly holiday greetings from Nellie Blythe Chase, president, on a pictorial lettersheet.

Gilman Brothers, Inc., Boston—Illuminated card with holiday greetings from the executives and best wishes from the sales personnel, and individual pictures of the members of both groups.

Government Soap Factory, Bangalore, Mysore—Set of twelve painted wooden figures depicting some aspects of Mysore village life, with a message of holiday greetings from M. S. Krishna Rao, superintendent.

Mallinckrodt Chemical Works, St. Louis—Ring-bound memoranda book of weekly pages from December 27, 1937, to December 31, 1938—and some extras for good measure.

Monsanto Chemical Company, St. Louis—Christmas number of *Monsanto Current Events* with a wintry cover and a message of cheer and good wishes by Edgar M. Queeny, president.

Nu-Enamel Company, New York—Decorative Christmas number of *Nu-Enamel Nus.*

Pennsylvania Glass Products Company, Pittsburgh—Mammoth Santa Claus poster bearing the holiday greetings of T. J. Dykema.

Phoenix Metal Cap Company, Chicago—Yule number of the *Phoenix Flame,* specially conveying a Christmas and New Year message.

Lydia E. Pinkham Medicine Company, Lynn, Mass.—Card picturing Mrs. Pinkham's early manufacturing operations, with greetings from Arthur W. Pinkham, president.

Harold F. Ritchie & Co., New York—Card of holiday greetings and wishes from the directors and officers.

E. M. Sergeant Pulp & Chemical Company, New York—Columbia Alkali Corporation poster calendar with a picture of the 1899 "America's" Cup yacht, "Columbia"; also a pocket-size 1938 diary with many pages of useful information.

Welch, Holme & Clark Company, New York—Wall calendar showing three months at a time.

C. K. Williams & Co., Easton, Pa.—Wall calendar of special visibility, showing three months at a time.

Toilet preparations classifiable under item 290 (C) (2) of the Australian tariff have been released from the requirement of import license.

KOSTER KEUNEN BEESWAX
IMPORT *Established 1931* EXPORT
Inspect our sunbleachery and our stock of over half a million pounds
SAYVILLE, N. Y.—about 50 miles from New York City

SUN BLEACHED
Beehive Brand BEESWAX · Finest Quality · Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 2 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

As we turn the page to greater industrial achievement, please keep before you the fact that

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Brown Marx Bldg., BIRMINGHAM
Johnston Building, CHARLOTTE
Midland Building, CLEVELAND
373 Brannan Street, SAN FRANCISCO
605 W. Olympic Blvd., LOS ANGELES
378 St. Paul St., West, MONTREAL

Drugs, Fine Chemicals

Five-Month Alcohol Production Decreases, Only Completely Denatured Showing Gain Over 1936—Stocks Up —Podophyllin Strong—Quicksilver Undertone Easy

So far as price developments were concerned in the market for drugs and fine chemicals, the final week of the year produced little of importance. Admitted that demand was narrower than normal even for the inventory period, it was a fact that values showed a deal of stability that was in contrast with the immediate interest displayed by buyers for consumption.

While the immediate future of the market was uncertain, events to come seemed to stem mainly from the inventory situation. Leading manufacturers last week expressed the view that inventories of buyers would be far lower than reasonable safety would warrant. Contraction of trade during the final quarter of the year went so far that in all probability buyers were living off stocks in hand. These stocks were probably larger than prudence might dictate and more likely than not were acquired during that period in 1937 when low inventories and fear of advancing prices brought an expanded purchasing program into being.

By living off inventories for three months, buyers' stocks have been substantially reduced, it was believed. Hence, manufacturers and suppliers generally felt that actual and unavoidable need would bring about a more lively market during the first quarter. Therefore, the trade looked forward with reasonable hope for a broadening of commerce.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Silver, bullion, N. Y., 1⅝c. per oz. London, ⅛ pence per oz

Reduced

Menthol, 5c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
181.9	182.1	182.5	180.6

Market news that may have developed after this report was sent to press will be found on page 4.

Acid, Citric.—The market was slow and prices were unchanged, but it seemed possible that competition on this market might be increased in view of the situation in London. There are two British makers operating on the fermentation process. The price in London is 1 shilling per pound, or very slightly less, less five percent. The spot quotation is 24c. With this price background in mind, the fact that German and Italian independent producers are offering the British makers keener competition in their own market may be of interest here, since in the recent past a negotiation involving 50,000 pounds of foreign made acid for consumption in this country was underway. The duty in this country is 17c. per pound. In the United Kingdom it is twenty percent ad valorem. It has been assumed that the United States duty of 17c. effectively prevents profitable import of foreign acid here, since to hurdle the tariff the cost of production abroad could be not more than 7c. Users of the fermentation process in this country say it cannot be done.

Acid, Tartaric. — Domestic business was seasonally light but a moderate interest in early 1938 deliveries was in evidence. Reports from Argentina indicated that production in that country had reached a point where home output would care for all needs of the nation. A special circular, No. 391, and entitled Argentine Tartarate Raw Materials and Tartaric Acid Production, may be obtained on application to the Chemical Division, Bureau of Foreign and Domestic Commerce, Department of Commerce, Washington.

Agar.—Competition has resulted from market inactivity and prices were unsettled and generally on the easy side most of the time last week. Demand continued to be very light. Stocks were not exceptionally large, but they seemed to be ample for all current requirements.

Alcohol. — November production of ethyl alcohol totaled 18,179,320 gallons, comparing with 20,172,095 gallons in November, 1936. The total production since July 1 and for the period ended November 30 this year has been 89,505,979 gallons, comparing with 94,667,368 gallons made during the corresponding period a year ago. Output of completely denatured alcohol in November, 1937, totaled 4,127,664 gallons; November 1936, 5,556,990 gallons. From July 1 to November 30, this year, 19,623,650 gallons; corresponding period a year ago, 16,816,252 gallons. The figures on specially denatured alcohol were: November, 1937, 5,481,866 gallons; November, 1936, 7,059,574 gallons; July 1 to November 30, this year, 30,546,457 gallons; last year, 32,580,318 gallons.

Aloin.—Uncontested strength backed the price position of this article and in view of the strong position of raw material, continued strength of aloin prices seemed a fair prospect for the future. Of course, being the last week of the year, demand was light.

Ammonia Chloride.—Conditions have been favorable for some increase in consumption of this item and such a gain has been noted in a few quarters. Prices were distinctly firm and competition was negligible.

Barium Sulphate.—The material used for X-ray purposes was in steady price position and undertones were on the firm side throughout the past week. Sellers indicated that a reasonable good outlook prevailed for 1938 business.

Bismuth Metal and Salts.—Trade was somewhat dull. However, so far as values were concerned, the market had a steady aspect notwithstanding the fact that makers of salts have at times said that the schedule was too low to be productive of warranted profits. Metal values were fully maintained.

Borax.—Ample supplies for contract buyers were said to be available and no shortage in the item pended. The present output of the mines is conservative and can readily be increased should trade expand substantially during the first quarter of the year.

Cadmium Metal.—The leading suppliers on this market were firm in their price views and indicated that the only competition current came from occasional lots of imported material. However, in view of the situation in the automotive trade, the outlook for the plating industry was uncertain and if requirements drop, a change in the metal market position might be indicated.

Caffeine.—Price firmness traced to the absence of weakness in raw material. As to consuming demand for all varieties of caffeine, it was conservative on the whole and lacked signs of a broader trend in the immediate future.

Castor Oil.—Trade was quiet and the outlook for the new year was for a conservative movement during the early part of the first quarter. Prices continued to be generally steady. Foreign advices indicated that the oil was being used in gas-mask production in Great Britain.

CHICAGO, Dec. 29.—Castor oil business is seasonally restricted, but the tone is reported fairly steady. Ruling prices are:—No. 1, drums, car lots, 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11½c.; barrels, less than car lots, 12¼c.; five-drum lots, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cocoa Butter.—Market weakness was noted and values were under the depression caused by ample stocks and a narrow consuming outlet. Improvement in market conditions awaited removal of distressed goods.

Codeine Salts.—Phosphate and sulphate had their usual call, the movement being affected by seasonal need for the item. However, sales volume was reported running behind that of a year ago.

Codliver Oil.—The market was quiet

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 6

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on the spot, since most suppliers have their future needs in hand and were not buying very far ahead. The foreign market continued to display a fairly easy undertone on the basis of recently lowered prices. Reports concerning disposal of the Finmarken production indicated that the makers had sold their entire stocks, but speculative held supplies were estimated at 4,000 to 5,000 barrels.

Cream of Tartar.—Despite the recent drop in tartaric acid prices, no change in quotations on this derived material has been made. The market, in fact, appeared to be fairly steady since the prevailing prices were considered to be generally low and favorable.

Corn Syrup.—Grain prices in this country advanced last week in sympathy with a similar movement in the Argentine. Syrup quotations lacked change and seemed to be mainly steady notwithstanding the not expansive consumption of the item.

Glycerin.—The market was slightly firmer. The steadier situation has followed a lessening of pressure recently coming from holders of some indifferent quality soaps. However, the future trend of the market remained to be developed and at the moment there appeared to be ample holdings of chemically pure and high gravity materials. Quality crude in most quarters was being held for higher prices.

CHICAGO, Dec. 29.—Business in glycerin is reported rather steady, with volume fair for this time of year. Other grades are quiet. The buyers are looking forward to somewhat larger purchases after the first of the year, it is reported. Ruling prices are:—C. p., drums, 15½c. per pound; less than car lots, 16c.; cans, less than car lots, 17½c. to 18½c., according to quantity; dynamite, 15½c.

Iodine.—Business was routine in a very steady spot market. According to the official report of the leading world supplier of crude and covering the 1936-1937 fiscal year, sales increased 18.07 percent as compared with the previous fiscal year. The producer continued to adapt sales conditions to meet the international situation. Stocks being maintained for world consumption were said to be sufficient to satisfy any additional demand which may arise.

Menthol.—Prices were reduced to $3.15 to $3.25 per pound, the result of stock accumulation in a market subject to little demand and much competition.

Methanol.—No further decline in prices on denaturing grade material took place and reasonable price stability was being sought. Business in all kinds and grades of methanol was routine in the final week of the year but quotations seemed to be steady. Monthly statistics on production of crude and synthetic methanol, representing practically the entire output of these commodities in the United States, have been released by Director William L. Austin, Bureau of the Census, Department of Commerce. The data for the months of 1937 include production figures for twenty-eight manufacturers for March to October, twenty-nine for January and February; 1936, thirty-three makers. Wood carbonized in 1937 amounted to 53,813 cords in January, 50,410 cords in February, 54,164 cords in March, 52,116 cords in April, 51,118 cords in May, 49,709 cords in June, 47,525 cords in July, 45,699 cords in August, 39,925 cords in September, 41,810 cords in October, and 43,285 cords in November. Comparing with 50,717 cords in January, 40,044 cords in February, 47,626 cords in March, 43,610 cords in April, 44,548 cords in May, 42,319 cords in June, 41,667 cords in July, 46,272 cords in August, 44,555 cords in September, 53,022 cords in October, and 53,726 cords in November.

Production

	Gallons			
	1937.		1936.	
	Crude.*	Synthetic.	Crude.*	Synthetic.
Jan. ...	525,070	1,835,815	494,081	1,418,863
Feb. ...	500,685	1,849,302	494,144	1,540,171
March...	546,662	2,071,747	476,496	1,631,832
April ...	531,727	2,138,895	426,313	1,692,921
May ...	522,961	2,343,497	427,079	1,754,998
June ...	485,943	2,563,507	413,930	1,863,405
July ...	465,205	2,564,783	384,751	1,950,825
Aug. ...	462,584	2,735,963	447,499	2,309,377
Sept. ...	404,112	3,018,333	429,500	2,695,591
Oct. ...	423,792	3,532,091	511,541	3,279,052
Nov. ...	423,315	3,562,372	520,722	3,417,755
Totals.	5,292,056	27,926,305	5,026,056	23,553,790

* The refined equivalent would be approximately 82 percent of the crude production.

Milk Powder.—Further rise in price would be almost certain should demand rise to force a draft on current production. Output was on the basis of a shortage of fluid milk nationwide in its effect. Hence, the position of whole milk powder was one of special strength since fat bearing materials hold strong.

Podophyllin.—Raw material was recently advanced again and country stocks were very small and held in strong hands. The derived material showed strength but lacked further rise in price, though the tendency was upward.

Quicksilver.—The market lacked further change but it was easy in undertone in view of poor demand and a more competitive position recently assumed by foreign suppliers. Against this situation was the trend toward reduction in domestic output.

SAN FRANCISCO, Dec. 28.—While this market remained slow last week in the light of actual business done, nevertheless local mine sales-agents reported there was some promise in the outlook for new business as soon as the current inventory period is passed. Users are generally believed to have let their stocks run rather low and a replacement period is expected to come about shortly. The market remains about the same as it was previously, in the neighborhood of $81 per flask, New York basis.

Quinine.—The usual slackening of trade during inventory has prevailed, and last week was no exception. However, the leading suppliers on this market expected revival of interest should conditions bring the usual expansion in sales coincident with the Winter and early Spring periods.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
*Saturday	..	..	..
Monday	32⅝	42	*..
Tuesday	32⅝	42	18⅝
Wednesday	32⅝	42	18⅝
Thursday	43⅝	..	18⅝

* Holiday.

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Atlantic Refining Wins Patent Appeal

In an opinion, December 21, reversing the district court in Western Pennsylvania, the United States Circuit Court of Appeals at Philadelphia found valid the Lewis patent (U.S. 1,680,421) of the Atlantic Refining Company in a suit alleging infringement by the James B. Berry Sons' Company.

The Lewis patent, issued August 14, 1928, covers an invention related to the production, by means of a single distillation, of intermediate petroleum products, sharply cut at both ends. The process combined the rectification of one portion of the reflux with open-steam stripping of the other portion of the reflux in a single distillation. This process was of great importance in the revolutionizing of the oil refining industry. It made obsolete the rerun stills, which theretofore had been necessary for the redistillation of every intermediate product.

The Lewis application, during the course of prosecution in the Patent Office, was involved in an interference with an application filed by Primrose, an employee of the Foster-Wheeler Company; Primrose conceded priority to Lewis. As part of the settlement of the controversy in the Patent Office, the Atlantic Refining Company granted to the Foster-Wheeler Company certain licenses and a release of liability for infringements up to the time of the agreement.

The still involved in the present controversy was one of those which had been released by the Atlantic Refining Company to the Foster-Wheeler Company. The latter company built the allegedly infringing tower for the Craig Oil Company in March, 1929, two years before it acquired license rights under the Lewis patent. Subsequently the tower passed into the hands of the Brown-Strauss Company, from which the Berry company acquired it in 1932.

Obituaries

Joseph Clark Baldwin, Jr.

Joseph Clark Baldwin, jr., president of the United Dyewood Corporation, this city, died after a lingering illness of pneumonia December 29 at his home in Mount Kisco, N. Y. He was sixty-six years old.

Born in this city, the son of Joseph Clark and Emma Jane Baldwin, he attended St. Paul's School, Concord, N. H., and studied in Europe for three years. Mr. Baldwin began his business career as a clerk in the New York office of the Dodge & Olcutt Company, essential oils and aromatics, in 1893. Soon after he became affiliated with the New York & Boston Dyewood Company, of which his father was president and a director. When the American Dyewood Company was organized in 1905, Mr. Baldwin's father retired, and the son continued as vice-president and treasurer of the new concern. Subsequently the United Dyewood Corporation, a holding company, was formed and Mr. Baldwin became treasurer and later president. He was also president of the Compagnie Haitienne. He served four years in Squadron A of the New York National Guard and was a former commissioner of the State Board of Charities. His memberships included the Union League, the Brook Club and the Racquet and Tennis Club.

He is survived by his wife; three sons, Joseph Clark, Alexander T., Peter and Ian; five daughters, Mrs. Edwin D. Morgan, Mrs. Nathiel R. Landon, Mrs. James P. Warburg, Mrs. Cleveland Cobb and Mrs. C. Waring Gillespie, and two brothers, William M. and C. L. Baldwin.

E. C. Ruoff

E. C. Ruoff, president of the Conrad-Kammerer Glue Company, New Albany, Ind., was injured fatally in an automobile accident December 23, when a sedan he was driving ran into a bridge abutment on the Slate Run Road, a mile east of New Albany. He was sixty years of age.

Mr. Ruoff had been a director of the Union National Bank, and ten years ago served as chairman of the New Albany Welfare Association.

Surviving are his wife and a son, Richmond Ruoff.

Stuart H. Simpson

Stuart H. Simpson, long prominent in the Pennsylvania oil industry, died at an Oil City hospital December 25. He was ninety-one years old.

Born in Pittsburgh, Mr. Simpson moved to Parkers Landing Va., in 1876 where he became employed with his brother, Thomas H. Simpson, as a purchasing agent when that rich field was opened up. In 1877 he went to Oil City to engage in the brokerage business, and was one of the early members of the Oil Exchange. His interests in oil production also covered areas in Elk county as well as in West Virginia and other States. He was a member of the Masonic fraternity.

Surviving are his wife, several nieces and nephews.

Martin J. Brandmiller, for fifty years in the employ of Muth Brothers & Co., wholesale druggists, Baltimore, died at a hospital in that city December 23, following a brief illness. He was seventy-five years of age. Surviving are a son, Bernard J. Brandmiller; a daughter, two brothers and four sisters.

Mrs. Edna Smith Bullock, wife and business partner of Arthur R. Bullock, of the Col-Chem Company, Elizabeth, N. J., chemical manufacturer, died of pneumonia December 28. She was fifty years old. Mr. and Mrs. Bullock had developed the Bullock Chemical Company in Lakewood, Ohio, into a $500,000 concern before the depression wiped it out in 1930. A year ago they established the Col-Chem Company.

Theodore W. Day, of the export department of McKesson & Robbins, wholesale druggist, this city, died December 25 after a week's illness. He was sixty-nine years of age. Mr. Day was born in this city, and his business life was spent in the wholesale drug trade, beginning his service with C. S. Littel & Co., and going to McKesson & Robbins when the latter purchased the Littel company. Funeral services were held December 28 and the interment was in Cypress Hills Abbey. Surviving are his wife, Mrs. Margaret Day, and three sons, Theodore W., R. Ellsworth, and William T.

William J. Howe, son of Kenneth J. Howe, vice-president of the Thibaut & Walker Company, Long Island City, N. Y., died December 25 from injuries received when he was struck by a passing automobile while changing a tire on his car. He was twenty-one years old.

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This consultation factor is but one of the many ways Penick serves the trade. They have available market information, warning about impending price rises or reductions. Deliveries are always as prompt as tremendous stocks and a capable organization can get them to you. And remember this vital fact—if, due to any circumstances, you cannot secure a certain botanical drug — ask Penick. They will get it for you !

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S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK 1228 W. KINZIE STREET, CHICAGO

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Eaton-Clark Co. Hundred Years Old

(Continued from page 5)

erans are in the accompanying picture; David J. Emig, with twenty-five years of service, was kept out by illness. A bronze tablet with the names of seventeen persons who had or have served twenty-five years or more is being placed in the office lobby as a part of the centenary commemoration.

The original home of the firm of Theo. H. Eaton in the American hotel block was destroyed in the great fire of 1848. After a temporary location in the Cooper block, the business was moved to the new five-story brick Eaton building at the corner of Woodward avenue and Atwater street. There it stayed for seventy-eight years. The present quarters at the corner of Franklin and Riopelle streets was built and occupied in 1927.

Huisking Going to Europe

Charles L. Huisking, president of Charles L. Huisking & Co., drug and chemical merchant, this city, sails January 4 for Europe on the steamship Manhattan. This will be Mr. Huisking's annual voyage to the foreign markets, undertaken for the purpose of close study of conditions likely to affect merchandising of European products on the markets in this country. His first stop will be in London, where his headquarters will be with Wheeler & Huisking, of which company he is a member. Then to Norway, where he will confer with his principal, The Peder Devold Oil Company, of Aaleslund, prominent producer of codliver oil. After a visit to the chemical centers in Germany, Mr. Huisking will return home. He plans a five-week absence. As usual, Mrs. Huisking is his traveling companion.

Eaton-Clark Company Veterans

(Figures in parentheses indicate years of service)

Standing—Joseph M. Orlick (30); William O. Emery, secretary-treasurer (29); Peter Schlaf (33); Gerald T. MacCray (21); Albert Walz (29); Benjamin G. Hansen (27).

Seated—Clara N. Lund (35); Rufus W. Clark, chairman of board (39); Berrien C. Eaton, president (23); Richard C. Hedke, vice-president and managing director (31); Charlotte Tessens, assistant secretary (27).

Magnus Re-elected N.Y. Board Trade Head

Percy C. Magnus, president of Magnus, Mabee & Reynard, Inc., essential oils and aromatic chemicals, was re-elected president of the New York Board of Trade at a meeting of the board of directors December 29 at the Hotel Vanderbilt. The directors praised his work on behalf of business during

Percy C. Magnus

the depression years and said that the emergency was not yet over.

Business fighting back against excessive taxation and government criticism is the one bright ray of hope on the horizon, Mr. Magnus declared, in accepting office for 1938. For six years, he said, business has been under the most violent and unwarranted attack from politics. Government competition, government interference, government regulation have substituted, he said, the cajoleries of politicians for the organizing abilities of American business men. They have learned, he said, that there is no patriotism in adhering to a philosophy of destruction. The fight to save America, he concluded, has just begun.

Peppermint Oil Crop Estimate Reduced

Production of peppermint and spearmint oils in Indiana, Michigan, Ohio, Oregon, and Washington was estimated at 879,000 pounds as of December 1, according to the Department of Agriculture. This compared with an estimate of 964,000 pounds, made by the bureau last August, and with a total production of 957,000 in 1936. The total acreage this year was 32,900 acres, against the August estimate of 33,820 acres, and the 1936 total of 36,680 acres. The weighted average yield of oil per acre in 1937 was 26.7 pounds; in 1936, it was 26.1. The following figures include some spearmint oil:—

Production

	Pounds	
	1937.	1936.
Indiana	319,000	270,000
Michigan	450,000	560,000
Ohio	20,000	13,000
Oregon	66,000	70,000
Washington	24,000	35,000
Totals	879,000	957,000

Acreage

	Acres	
	1937.	1936.
Indiana	11,600	13,500
Michigan	18,000	20,000
Ohio	700	600
Oregon	1,900	1,950
Washington	700	610
Totals	32,900	36,680

Yield per Acre

	Pounds	
	1937.	1936.
Indiana	27.5	20.0
Michigan	25.0	28.0
Ohio	28.0	22.0
Oregon	35.0	40.0
Washington	34.3	37.0
Weighted average	26.7	26.1

Noxzema Company, manufacturer of medicines and cosmetics, Baltimore, presented its 1938 plans to its sales force at a recent two-day conference. Among the invited speakers was Dr. Robert L. Swain, deputy State food and drug commissioner, who discussed various aspects of fair trade laws.

Botanical Drugs, Spices, and Gums

Competition Gains and Medicinal Items Show Price Unsettlement in Final Week of Year—Condimental Materials Generally Dull—Stocks Mostly Small

The final fortnight of 1937 contrasted sharply with that of 1936. A year ago, the market was in full flood toward higher price levels. Changes in quotations totaled ninety-three, of which seventy-one were advances and twenty-two declines. This year, the total of changes in the last two weeks was sixty, consisting of sixteen advances, and forty-six declines.

A year ago, the factor prominently the cause of the rising market was scarcity of stocks resulting from successive years of poor collections. This year, the reason for the reversal of market trend was less clearly seen. The collections in the crop season of 1937 were no greater than in 1936; in fact, most general opinion is that the 1937 crop was, on the whole, smaller than that of 1936. There has been a marked recession in sales volume, notable especially during the last quarter of this year. It therefore has been assumed that the high volume of business during the first six months of the year had provided manufacturing consumers with inventories covering needs so well that their requirements during the last quarter had been well provided for.

At the end of the year, stocks were generally subnormal and goods in hand were obtained at relatively high cost. Yet, lack of demand was evident and price weakness in the medicinal drug group seemed to be entirely out of line with available supplies, though possibly in line with the increase in competition. On the basis of supply, values should hold firm, at least, but on the basis of current demand, the future of prices seemed uncertain.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:

	Bags	
	Detained.	Entered.
Anise	3,800	17,371
Caraway	3,036	20,697
Cardamom (cases)	61	2,018
Celery	591	7,330
Coriander	11,706	16,623
Cumin	2,178	7,455
Digitalis leaves (cases)	195	246
Dill	184	647
Fennel	521	2,780
Henbane leaves (bales)	141	430
Mustard	580	28,605
Poppy	1,860	52,056
Sage leaves (bales)	20	3,257
Sesame	278	13,069
Stramonium (bales)	487	567
Thyme (bales)	699	1,779
Totals	26,268	175,298

Price Changes

Prices were changed during the past week as follows:—

Advanced

Anise, Spanish, ½c. per lb.
Burdock root, ½c. per lb.
Ginger root, Jamaica, bold, ¾c. per lb.
medium bold, ½c. per lb.
bright grinding, ¼c. per lb.
Mandrake root, 1c. per lb.
Paprika, Spanish, fair, 1c. per lb.
medium, ½c. per lb.
Papain, powdered, 50c. per lb.
Wahoo, root bark, 3c. per lb.

Reduced

Arnica flowers, 2c. per lb.
Agaric, white, 5c. per lb.
Buckthorn bark, ½c. per lb.
Cassia fistula, 1c. per lb.
Corn silk, ½c. per lb.
Colombo root, 1c. per lb.
Dandelion root, 1c. per lb.
Euphorbia herb, 2c. per lb.
Ginger root, African, ¼c. per lb.
Henbane leaves, 2c. per lb.
Larkspur seed, 5c. per lb.
Millet seed, yellow, ½c. per lb.
Nux vomica, powdered, ½c. per lb.
Pumpkin seed, 1c. per lb.
Quassia chips, 1c. per lb.
Rose flowers, pale, 2c. per lb.
Raspberries, 2c. per lb.
Rhubarb root, whole, 5c. per lb.
powdered, 5c. per lb.
Saw palmetto berries, 5c. per lb.
Sloe berries, 2c. per lb.
Sage, Dalmatian, ¼c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
136.9	**137.1**	**137.3**	**114.6**

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—Jobbing business was sufficient to keep prices to a steady position throughout the past week. Improvement in demand was expected to develop with the turn of the year.

Fir.—Price advances on Canadian balsam have stopped but the situation as to stocks was unrelieved. Shortage here and in the primary market was acute. Oregon balsam was quiet and somewhat easy on the whole.

Barks

Buckthorn.—Quotations were shaded to 5c. to 5½c. per pound under the influence of demand that was not sufficient to make competition from being an influential factor in the market.

Elm.—The market will be in short supply for the balance of the current consuming season, so far as select bark is concerned. The trade last week was light but values held fully firm and any substantial expansion in demand would find prompt reflection by a rising price position.

Wahoo.—Root bark was higher at 58c. to 60c. per pound and although demand was very light, the market was one of substantial strength that was caused directly by the very small size of reserves as yet unsold on the spot and primary markets.

Wild Cherry.—Revival of request was expected to come after the turn of the year. It was said last week that stocks would in all probability prove sufficient to care for consuming requirements during the balance of the current season. Prices were steady to firm in all quarters.

Beans

St. Ignatius.—Small stocks paralleled small demand and so far as prices were concerned it was a stand-off so far as the market influence of the two conditions were concerned. Signs of a broader request were lacking.

Vanilla.—The spot market last week was inactive. Buyers were aloof so far as prompt deliveries were concerned nor was there much interest shown in deliveries to be made early in the new year. Basically, the market in all parts of the world were considered to be firm and hence the future of values would seem to depend almost directly and solely on how large or small sales may be during the first quarter of the year.

Berries

Raspberries.—Some movement toward reduction of stocks was signalized by a reduction of spot quotations to the basis of 68c. to 70c. per pound, this reduction being made regardless of the fact that new crop is months away.

Saw Palmetto.—Present spot stocks were obtained at fairly low cost in the primary market. Inactivity for some time past has made local dealers more inclined toward competition and quotations were shaded to the basis of 10c. to 12c. per pound during the past week.

Sloe.—Offerings of spot goods were made at the lower price of 8c. to 9c. per pound during the past week. Small request turned some sellers toward a more competitive view on the market.

Flowers

Arnica.—More competition was noted on the spot and offerings were reported on the basis of 33c. to 35c. per pound. Not all dealers were meeting the decline, some viewing the foreign situation as being opposed to a movement of spot prices in favor of buyers for consumption.

Chamomile.—As low as 20c. per pound has been quoted on this item but the market in general viewed that limit as one out of the question when compared with the first hand cost of stocks of quality in the foreign market.

Lavender.—The seasonal demand disappeared, leaving the market subject to ordinary request which it usually routines after the Christmas holiday. However, quotations remained generally steady.

Rose.—Pale goods were shaded to 32c. to 34c. per pound as a gesture toward more competition in a market notable for dullness during the recent past. Red flowers held firm at $2.25 to $2.30 in keeping with replacement cost and irrespective of poor demand.

Saffron.—Spanish material was firm but not active. Stocks in the final week of the year were found to be conservative but still sufficient to cope with the volume of request current on spot. Mexican flowers held steady at 35c. to 40c. per pound, but were also subject to an inferior volume of interest on the part of buyers.

Gums

Aloe.—Cape gum has practically disappeared from the market. Curacao gum was in not too ample supply and values were strong even though demand was weak for the moment. Socotrine gum may decline once a fairly substantial quantity be released here but in the meantime high prices continued to prevail.

Arabic.—Within moderate limits it was a buyer's market but it was also a market in which buyers appeared but infrequently. While prices failed to decline further, they were soft and spongy under the influence of the keener competition that has developed for some time past.

Asafetida.—A firm order in hand might be placed at a shade under open quotations. Demand has limped poorly for some time past and some sellers were disposed to reduce stocks moderately. For the moment, it was a buyers' market.

Chicle.—Firm replacement cost and fair consuming outlook for the future combined to keep spot quotations firm on the basis of the recent advance.

Karaya.—For the moment the market was slow but sellers expected a revival after the turn of the year as several of the larger buyers have not traded actively for some time past. Values continued to hold in very steady position.

Herbs and Leaves

Euphorbia.—Limited quantities could be bought at 4c. per pound but for more substantial lots the most generally noted price was 6c. and that limit seemed to be firmly maintained in most directions.

Digitalis.—The market was nominal. Sellers were able to set their own quotations and the price to be paid depended solely on who was the buyer and his standing with suppliers. Stocks were the smallest ever.

Henbane.—Stocks were available at 19c. to 20c. per pound, but there were very few takers of spot deliveries, nor were there many willing to entertain offerings of substantial quantities for shipment early in the new year. Trade was still light.

Jaborandi.—Although in basically firm position because of the comparatively small stocks available on the spot, values were easier last week and quotations were shaded to the basis of 14c. to 15c. per pound under competitive conditions.

Sage.—Some sagging in demand from the larger consumers was noted and some Dalmatian stemless was offered at the fractionally lower price of 6½c. to 6¾c. per pound. The garden variety

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 6

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Acacia Gum, Aloes, Aniseed, Buchu Leaves, Chamomile, Deer Tongue, Doggrass, Ergot, Fennel Seed, Ipecac Root, Irish Moss, Juniper Berries

Kola Nuts, Lavender, Myrrh Gum, Papain, Quince Seed, Saffron, Sarsaparilla, Saw Palmetto, Senna Leaves, Tragacanth, Valerian, Wild Cherry Bk.
CRUDE J. L. HOPKINS & CO. DRUGS
220 BROADWAY, NEW YORK

Vanilla Beans--Tonka Beans
Thurston & Braidich, Importers, 286 Spring Street, New York

KARAYA TRAGACANTH ARABIC
GUMS
WHOLE AND POWDERED
FRANK-VLIET CO. INC.
160 WATER ST. NEW YORK, N. Y.

VANILLA BEANS
F. HUBER & CO., - 99 Hudson Street, New York

DI-BUG PYRETHRUM
EXTRACTS AND POWDER
SHERWOOD PETROLEUM COMPANY, INC.
REFINERY — WARREN, PA. MAIN OFFICE — BUSH TERMINAL, BROOKLYN, N. Y.

remained steady at 6½c. to 7c. but it, too, was not called for actively.

Miscellaneous

Agaric.—As a price at the end of the year, $3.20 to $3.25 was quoted as an encouragement to buyers who have some requirements to cover early in 1938.

Cassia Fistula. — Values were down slightly to the basis of 10c. to 11c. per pound in a market seasonally inactive and supplied, in some quarters, with rather more stock than the holders felt necessary to protect requirements between now and the arrival of a new crop.

Corn Silk.—After price stability that had prevailed for many months, during the final week of the year values receded fractionally to the basis of 6½c. to 7c. per pound and even at the more favorable quotation trade remained light.

Nux Vomica.—Powder was shaded to 6c. to 7c. per pound and was offered freely thereat in a generally narrow market. Whole buttons lacked quotable change.

Papain. — Prices were advanced to $3.25 to $3.50 per pound on powdered material, emphasizing the further development of strength that had featured the market for many weeks. Sellers were generally reserved in view of what it costs to replace at the source.

Quassia.—Chips were down to 5c. to 6c. per pound but a steadier situation appeared to be developing on the more favorable basis. A somewhat broader market was believed to be in the making. Stocks were reported to be ample for all reasonable needs.

Roots

Burdock. — Stocks abroad were less than normal size and values there were well maintained. Spot quotations were upward in trend and the market last week was 10c. to 10½c. per pound even though there was not much interest current.

Colombo. — The market continued to ease off and quotations last week were down To 14c. to 15c. per pound under conditions that seemed to forecast the probability that any reasonable bid would be accepted.

Rhubarb.—Prices continued to decline. Whole was down to 65c. to 70c. per pound and powder was 70c. to 75c. Of course, these prices were still far above the normal value of the article. Considerable quantities held on spot, however, actually showed a first cost that made the new prices above productive of actual loss.

Sarsaparilla. — Some reports of price shading on Mexican root were noted but so far as the open market was concerned values failed to show any change. American root was in moderate supply and hence appeared to be definitely on the side of firmness.

Serpentaria.—Even poor demand was without effect on prices. Stocks were about as low as ever they had been in the history of the trade and hence sellers showed reserve and an ability to hold prices firm while awaiting a return of demand.

Seeds

Anise.—Spanish seed appeared to be in very low supply. Prices were firmer and the tendency upward set values to the 12½c. to 13c. per pound. So far as known, no offerings of new crop have reached this market.

Larkspur. — The higher market was short lived. Quotations last week were back to the basis of 35c. to 40c. per pound under conditions notable for lack of demand and plenty of competition from certain quarters.

Millet. — Quotations were shaded to 2⅛c. to 3⅛c. per pound as the result of more favorable replacement cost. Hulled material lacked change.

Mustard. — All varieties were quiet. Both at home and abroad, buyers and sellers reported small sales at all times, but they also hastened to report firm prices and a general lack of important competition for the time being at least.

Pumpkin.—The market had been dull for a long time past and during the past week the effect of inactive trade on competition was in evidence. The drive for business was keener and sellers shaded values to the basis of 10c. to 12c. per pound as to quality.

Spices

Cassia.—The market was very quiet but prices appeared to have a steady quality on the whole. At least, there was no further movement in favor of buyers, nor were sellers expecting any substantial extension of the recently easier situation.

Clove.—There was reason to believe that the foreign markets would strengthen and even further advances would not come as a surprise to importers who viewed the primary market as strengthening for the most part. Sellers were firmer on spot.

Ginger. — African root was down to the basis of 14⅜c. to 14¾c. per pound. Jamaica root, on the contrary, strengthened as spot quotations rose moderately. Bold Jamaica root was noted at 16¼c. to 16¾c. per pound; medium bold, 15¼c. to 15½c.; bright grinding, 14¾c. to 15¼c. Cochin root held steady.

Paprika.—Fair quality was up somewhat to the basis of 22c. to 22½c. per pound. Medium grade was also higher at 23½c. to 24c. Extra fancy and fancy grades held free of quotable change. Hungarian was also firm.

Peppers.—The final week in the year was dull. Buyers were almost entirely aloof from the market and revival of active trading out of spot stocks after the turn of the year was uncertain. Red peppers showed considerable strength, Japanese chillies being notably so. Mombasa chillies remained nominal, the supply being virtually exhausted on spot and in most quarters.

Trading in black pepper futures on the New York Produce Exchange from December 24 to December 30, inclusive, comprised 106 contracts, a total of 3,561,600 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
January	5.10	5.10	5.00@5.10
March	5.16	5.15	5.11@5.18
May	5.25	5.25	5.20@5.30
July	5.51	5.35	5.35 sale
December	5.60	5.55	5.56@5.60

Calco Engages Noted Artist To Illustrate Calendar

Because of the enthusiasm aroused by its motion picture, "Beyond the Rainbow," the Calco Chemical Company has commissioned Marius Hubert-Robert to make an oil painting of Victoria Falls, Africa, for the annual calendar. Those who have seen the movie will remember that the final scene shows a beautiful rainbow with the magnificent Victoria Falls in the background. It is this colorful scene that M. Hubert-Robert is painting.

Marius Hubert-Robert is a well known French landscape painter, being the fourth generation of a famous family of artists. He is the great-grandson of Hubert-Robert, the famous Eighteenth Century artist who organized the Louvre Museum. He, himself, has traveled all over the world.

Wilson & Bennett Co. Pays Bonus with Silver Dollars

Wilson & Bennett Manufacturing Company, makers of steel containers, adopted the novel plan of paying Christmas bonuses in silver dollars. S. A. Bennett, president, distributed to 250 office employees, foremen and key-men over $15,000—more than half a ton in new silver dollars. These bonuses ranged from a minimum of $5 to as much at $300, depending upon the length of service of each employee. Many of the employees have been with the company from ten to twenty-five years.

Dry Ice Project in Alabama

The new $150,000 dry ice plant of the Alabama Carbon Dioxide, Inc., Alabaster, Ala., one of the first large modern plants in the South for the manufacture of solid and liquid carbon dioxide, is nearing completion. Operations are scheduled for an early date. The officers of the company are:—President, J. F. Oates; vice-president, Mrs. E. H. Oates, and secretary-treasurer, K. V. Hillin.

Phillips Petroleum Starts Workers Retirement Plan

Phillips Petroleum Company has inaugurated a retirement income plan for employees which will involve about 10,000 workers of at least one year's service. The plan will cost the company about $800,000 during the first year in sole and joint contributions.

A feature of the plan is the guarantee of the company to augment any additional income that may be required to bring the total retirement income at the normal retiremen date up to a minimum of 25 percent of the rate of earnings on January 1, providing that it does not exceed 1.5 percent of that rate multiplied by the number of recognized continuous years of service.

The monthly amount receivable by employees at retirement will be the sum of a retirement income purchased solely by the company and credited to the employee on the basis of his years of recognized service rendered prior to January 1, 1938, and the income purchased by regular monthly contributions from both the company and the employees after that date.

Porcelain Enamel Processing Explained

Technical advance in vitreous or porcelain enamel has only come during the most recent years, hence the chemistry of the high temperature reactions is far from being fully understood, Glenn H. McIntyre, director of research of the Ferro Enamel Corporation, Cleveland, stated in a paper at a meeting of the American Chemical Society, held at the Hotel Statler, Cleveland, December 29.

Usually from 80 to 85 percent of an enamel glass is composed of the familiar elements, sodium, potassium, aluminum, boron, oxygen and silicon. These may be thought of, Mr. McIntyre said, as the basic glass-forming elements. Additional elements which may be considered less familiar are desirable and necessary for the control of specific properties.

Since poreclain enamel glass, he said, is a volume product and is sold as an intermediate raw material for other manufacturing processes, its selling price is relatively low and therefore only such materials as are economically available in reasonably large quantities can be used. Many of the elements may have exceptionally desirable properties but are prohibitive for use because of cost, lack of availability in large quantities, or both.

Barium is commonly used, he continued, as a flux and in small amounts helps to impart a gloss to the fired enamel surface. Its density lends sparkle or life to the glass. It is also valuable because of its relatively high coefficient of expansion. The common form used in enameling is precipitated carbonate or ground witherite.

Titanium is exceedingly valuable, he said, because of its similarity to silicon, and it greater fusibility in the presence of silicon. Acid-resisting enamels can easily be made if sufficient silicon is used, but is too refractory when high acid-resistance is desired. Titanium can be substituted for silicon for the development of acid-resisting properties at normal fusing temperatures. Titanium is added in the form of refined oxide. In excess of 3 to 4 percent it imparts a yellow or muddy cast to the enamel. Its excessive cost compared to that of silica, as well as the color effect, makes it desirable to keep the percentage as low as possible, consistent with the degree of acid-resistance and fusibility desired.

Jennings Refining Formed

Construction of a $20,000 oil refinery is planned on Bayou Nezipique, near Jennings, La. Fuel oil for pumping plants and similar operations in the area will be the principal purpose of the new unit. Oil from the Jennings, or Evangeline, field will be transported by small pipe line. A capacity of 1,000 barrels daily is planned. Associated in the venture are E. V. Kennedy, Frank E. Hood and W. C. Lewis, all of Houston, Texas. The new firm will be known as the Jennings Refining Company if that name is available on state charter lists.

Asiatic Corp. Expands

The Asiatic Petroleum Corporation, a subsidiary of the Royal Dutch-Shell, has purchased from the Socony-Vacuum Oil Company the old plant of the Vacuum Oil Company on the west shore of the Kill Van Kull in the Constable Hook section of Bayonne. The plant adjoins the works of the Asiatic company, and it consists of nearly seven acres with a frontage of 476 feet along the Kills and has a depth of 929 feet extending to the National Dock railroad. The consideration was reported to be approximate $213,000.

Gasoline Freights Revised

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Erie railroad, on gasoline, kerosene, blended gasolines and petroleum fuel oil; as described in tariff, carload; from Irvine Mills and Lime stone to Arkport, 13c. per hundredweight; reduction 2c. per hundred weight; to Middleport and Gasport, 14c. per hundredweight; increase 2c. per hundredweight.

Trade News Briefs

F. W. Berk & Co., importer of chemicals and fertilizer materials, this city, has decorated its office appropriately for the Christmas holidays and invites its friends to visit it.

Daniel B. Becker has been appointed sales manager of Reichard-Coulston, Inc., dry colors, this city. Mr. Becker has been a member of the company's sales staff for eleven years.

William W. Higgins, manager of the United Carbon Company's New York office, is confined to his home at 60 Grover Lane, Caldwell, N. J., recovering from a fractured ankle.

A. J. Hardendorf, Houston, Texas, has purchased the Woodson Oil Company property, consisting of eight wells, six producing, and 800 acres of land in the Hudson pool, near Lander, Wyo. Figures were not given out.

Republic Oil Refining Company will erect a new laboratory, three storage tanks, and a refining unit with a daily capacity of 10,000 barrels, at its Texas City plant. The storage tanks will have a capacity of 50,000 barrels each.

Ralph C. Champlin has been elected a vice-president of the Ethyl Export Corporation, foreign subsidiary of the Ethyl Gasoline Corporation. Since joining the Ethyl organization early in 1937, Mr. Champlin has been chairman of the coordinating committee.

Duval Texas Sulphur Company is erecting a sulphur extraction plant at Orchard Dome, Fort Bend county, Texas, which is expected to be in operation about March 1. It is reported that exploration has indicated a commercial deposit.

Procter & Gamble Company, Cincinnati, will award contracts soon for construction of a four-story and basement administration, engineering, and research building, at its plant in Ivorydale. The new unit, 124 feet by 159 feet, will cost more than $150,000 with equipment installations.

Milton K. Pine, central zone vice-president of the National Paint, Varnish and Lacquer Association, stressed the co-operation of the manufacturers with the contracting painters, in an address before the western Tri-State council convention of the Painting and Decorating Contractors of America, held in Denver December 16.

Conrad-Klammerer Glue Company, New Albany, Ind., has sued the Pennsylvania Railroad Company for damages of $48,305.42 in compensation for a quantity of glue lost in the Ohio river flood last January because the railroad did not fulfill its promise to furnish cars in time for the transportation of the glue to a place of safety.

Traders Oil Mill Company, Fort Worth, Texas, will not be permitted to register as a trademark for partially defatted cooked cottonseed flour the word, "CoFlo," in view of the prior adoption and use by the Lever Brothers Company, Cambridge, Mass., of the word, "Covo," as a trademark for a vegetable shortening composed partly of cottonseed oil.

Supplee-Biddle Hardware Company, Philadelphia, has been appointed exclusive distributor by the Alabastine Company, Grand Rapids, Mich., for its oil paints, enamels, varnishes, and water paints, for Eastern Pennsylvania, Southern New Jersey, Northern Delaware, and Northern Maryland. The paint department is under the supervision of H. E. Jenkins, who has had wide experience in paints.

Marietta Paint & Color Company, Marietta, O., held its annual trade sales meeting in November, with the entire trade sales force from both the Marietta and the High Point, N. C., divisions present. Grover M. Hermann, chairman of the board, and G. A. LaVallee attended, and the latter announced that the company's trade sales for the first nine months of the year increased 41.7 percent over the same period of 1936.

M. J. Merkin Paint Company, this city, held its annual meeting of the executive sales staff December 11, with Alexander Nadle, sales manager, presiding. The entire group visited the company's laboratories and works at Lyndhurst, N. J., being escorted through the plant by Edward Berger, technical director. Murray S. Williams, production manager, explained the workings of the new five-roll high-speed steel mills, which are in operation in the new building. M. J. Merkin, president, thanked the sales staff for its co-operations.

Essential Oils, Aromatic Chemicals

Efficiency of USP Test for Wormseed Oil Questioned—Messina Lemon Up Slightly—Large Stocks of Bergamot Reported Abroad—Anise and Cassia Firm

The closing period of the year was very quiet in the market for essential oils and aromatic chemicals. Inventory operations were in full swing and hence buying by consumers as well as by dealers was conservative to the point of being almost solely of jobbing description. Only a fair amount of interest was shown in goods to be shipped early in the new year and on the whole the final week of the year was an exceptionally quiet affair.

Pricewise, a deal of market stability prevailed. While fair sized inventories were in hand on this market, the holdings were believed not to be at all excessive and hence quotations were expected to be maintained unless demand in the new year shall be far under what might be reasonably expected.

Developments during the week under review were few and far between. Of considerable interest, however, was the report that dissatisfaction with the official U.S.P. test on wormseed oil was increasing. It was alleged that the test does not develop the full ascaridol content. Preference was expressed for the test prescribed by the British pharmacopoeia.

Reports from Italy, sent by the United States consul at Palermo and issued by the Department of Commerce, emphasized the size of bergamot and lemon oil stocks. They were declared to be large. Of late, and again last week, quotations on Italian lemon showed strength and advance, while bergamot lacked immediate weakness. In the meantime, domestic lemon and orange oil were priced to advantage.

Peppermint and speamint were steady and regarded as low in price. Other domestic oils were steady. Reports of price weakness on mace and nutmeg oils were denied by the producers here. Also, makers of clove oil on spot looked for a strengthening of values.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Lemon, Messina, 5c. per lb.

Reduced

Menthol, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
77.6	78.0	77.9	80.1

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—The market was quiet but, on the whole, it was also on the firm side. Decline in prices has gone rather far and hence there has developed slowly but fairly steadily a firmer undertone and resistence to further drop in values.

Anise.—A steady market prevailed locally. Moderate stocks alone were available in all quarters and the purchase and receipt of normal quantities during the months immediately ahead was uncertain because of conditions in China. Prices were held firm.

Bergamot.—Prices held steadily in all markets and the situation appeared to be firm. Immediate demand was light but some fair interest was shown in deliveries to be made early in the new year. Stocks were not excessive. According to the United States consul at Palermo, Italy, the very large bergamot crop in sight, together with large stocks of oil in the hands of producers and deposited with the Consortium during the last two seasons, is expected to bring about a downward movement in the market for this product.

Cajeput.—A strengthening of the market position of technical oil was noted and some sellers have advanced the market to 64c to 69c per pound. Others kept the old figures but found the item firmer. Discouragement because of poor sales was reported from the source and a decrease in available supplies is a not unlikely development for the future, it was said.

Calamus.—Inactivity had been the rule for some time past, yet the available supply and replacement cost were factors sufficient to hold prices firm. They continued to be well maintained last week.

Cassia.—No change in the steady market position of this oil was noted. The future of supplies was still uncertain because of conditions prevailing in China. Stocks on the spot were less than the normal reserves and any widening of consuming needs would have a tonic effect on values.

Cedarleaf.—The betterment noted in demand in the recent past has passed and during the past week trade was on a strictly jobbing basis. However, volume was no smaller than would be normal. Prices remained generally steady in all directions.

Citronella.—The undertone seemed to be moderately easy. Considerable competition was noted on this market and the consuming power of the market was not very great, for the time being at least. Open quotations were unchanged, yet they tended to move in favor of buyers.

Clove.—Producers of this oil stood pat and awaited further developments anent the cost of spice in the Far East. Values there have had a strengthening tendency of late. Demand for oil was narrow and in some degree might be considered to create a slightly more competitive condition so far as resales of the item were concerned.

Dill.—Sellers look for a pickup in demand in the not far distant future when picklers may enter the market for additional supplies. The market had a fairly easy undertone during the past week and prices seemed to be slightly softer.

Eucalyptus.—Undertones were firm regardless of the not especially active trade in the item last week. Cost of spot and replacement stocks, plus the fairly favorable outlook for consumption during the balance of the Winter accounted for the firm maintenance of spot quotations.

Grapefruit.—Production was going ahead and a fair supply of oil was expected to result. However, there were those who felt that the output might run behind that a year ago because of the absence of large stocks of fruit not suitable for consumption as fruit and, hence, used for the production of oil.

Ginger.—Raw material continued to show unsettlement in a declining market, this without effect on the value of oil on spot. Demand was very light. Stocks were moderate.

Lavandin.—Market stability prevailed here in keeping with absence of weakness abroad. Immediate demand was small but some fair deliveries will be made after the turn of the year.

Lemon.—Messina oil was higher at $2.65 to $3.25 per pound and the foreign market was declared to show substantial strength. In fact, the recent action of the Italian market would seem to be out of line with reports concerning production. For example, the following is the most recent advice sent to the Department of Commerce by the United States Consulate at Palmero: Prospects of heavy lemon oil production during the coming season, coupled with sizable stocks (held principally abroad), are tending to depress the market for this product. Informed sources in Italy anticipated a price drop of from 25 to 30 percent during the month of December. The fact that some 100,000 Sicilian pounds of lemon oil manufactured from

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 6

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Verdelli lemons, remain unexported from the summer season, an unusual occurrence in the industry, is serving to further aggravate the situation.

Nutmeg.—Reports of price reductions have been noted but the leading producers of the item regarded the market as firm and held quotations free from change. Some shading in resale quarters may have developed but the basic position of the item in first hands was free from unsettlement.

Orange.—Considering the absence of much demand, the price position of this item seemed to be fairly steady. While the substructure of the market may have been moderately easy, prices were held free from open change and the future appeared to depend on how soon demand may check tendencies toward competition.

Peppermint.—During the last week of the year, this item appeared to be in fairly stable position. Prices were believed to be on the low side and it was said that any substantial expansion in consuming request would affect prices if for no reason that on spot they were very close to country values. The final report of the Department of Agriculture should appear elsewhere in this issue.

Petitgrain.—Although it was the final week of the year, two dealers reported sales that reached fairly substantial proportions during the period under review. Prices ended the year in firm position and were backed by stocks not excessive in size.

Pimento.—The outlook for raw material was none too good as the growth of the plant in the primary market has been impaired. Oil prices were fully firm in all respects.

Pineneedle.—The carryover will be small as normal quantities have not been forthcoming from the primary market for some time past. Hence, spot quotations showed firmness regardless of the presence of jobbing demand only.

Rosemary.—Small stocks were the rule in most directions and the future of supplies was uncertain since the Spanish troubles remain a force to reckon with in the year ahead. Sellers were generally reserved.

Sage.—Plentiful stocks of oil reaching high quality were offered on the basis of the favorable and lower prices recently set up when new distillation came on this market. A larger market was expected to be developed in 1938.

Spearmint.—Business was light, yet the market showed firmness that was backed by the absence of any important surplus of supply on spot and in the primary market. Values were on the low side.

Wormseed.—Leading suppliers look forward to an expansion of shipments to England in the not far distant future. Of some interest was the report which last week expressed dissatisfaction with the official test for U.S.P. oil as laid down in the pharmacopoeia.

Aromatic Chemicals

Amyl Salicylate.—Fully supported prices were the rule and the undertone of the market continued to be generally steady throughout the final week of the year. Ample reserve stocks were noted.

Anethol.—A quiet week and year end was noted, but the market had a very firm undertone and sellers were not disposed to accept bids since there was little or no competition with which to contend. Production costs were still well maintained and supplies of raw materials were uncertain.

Benzaldehyde.—Business has been fair but less than normal during recent weeks and during the final week of the year it was naturally light. However, price stability prevailed and was expected to continue at least through the early part of 1938.

(Continued on page 54)

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(Continued from December 27 issue)

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Ammonium-bis(3:5-dichlor-2-ethoxyphenyl)-2′-sulphophenylmethane
Ammonium-bis(3:5-dichlor-2-isopropoxyphenyl)-2′-sulphophenylmethane
Ammonium-bis(3:5-dichlor-2-methoxyphenyl)4′-brom-2′-sulphophenylmethane
Ammonium-bis(3:5-dichlor-2-methoxyphenyl)-5′-chlor-2′-sulphophenylmethane
Ammonium-bis(3:5-dichlor-2-methoxyphenyl)-2′-sulphophenylmethane
Ammonium-bis(3:5-dichlor-2N-propoxyphenyl)-2′-sulphophenylmethane
Ammonium-bis(2-isobutoxy-3:5-dichlorophenyl)-2′-sulphophenylmethane
Ammonium-bis(2-isopentoxy-3:5-dichlorophenyl)-2′-sulphophenylmethane
Ammonium-2:2′-di-N-butoxy-3:3′-dimethyl-5:5′:3″-trichlorotriphenylmethane 6″-sulphonate
Ammonium-di-N-butoxy-3:5:2′:4′:6′-pentachlor-4″-sulphotriphenylmethane
Ammonium-2:2′di-N-butoxy-3:5:3′:5′:3″-pentachlorotriphenylmethane 6″-sulphonate
Ammonium-2:2′-di-N-butoxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Ammonium-2:2′-di-N-butoxy-3:5:3′:5′-tetrachlorotrophenylmethane 2″-sulphonate
Ammonium-dicyclohexyloxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″ sulphonate
Ammonium-2:2′-dicyclohexyloxy-3:5:3′:5′-tetrachlortriphenylmethane 2″-sulphonate
Ammonium-2:2′-diethoxy-3:5:3′:5′:4″-pentachlorotriphenylmethane 6″-sulphonate
Ammonium-2:2′-diethoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Ammonium-2:2′-di-isoamyloxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Ammonium-2:2′-di-isobutoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Ammonium-2:2′-di-isopropoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2′-sulphonate
Ammonium-2:2′-dimethoxy-3:3′-dimethyl-5:5′-dichlorotriphenylmethane 4″-sulphonate
Ammonium-2:2′-dimethoxy-3:5:3′:5′:3″-pentachlorotriphenylmethane 6″-sulphonate
Ammonium-2:2′-dimethoxy-3:5:3′:5′-tetrachlor-4″-bromotriphenylmethane 6″-sulphonate
Ammonium-2:2′-dimethoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Ammonium-2:2′-dimethoxy-3:5:3′:5′-tetrachlorotriphenylmethane 4″-sulphonate
Ammonium-2:2′-dimethoxy-5:5′:3″trichlorotriphenylmethane 6″-sulphonate
Ammonium-dinitroalphanaphthol
Ammonium-dinitroalphanaphthol betasulphonate
Ammonium-2:2′-di-N-propoxy-3:5:3′:5′-tetrachlorotriphenylmethane 2″-sulphonate
Amyl dibutylphosphate
Amyl ester of betasulphophthalic acid
Amyl ester of 4-chlorosulphophthalic acid
Amyl ester of 2-sulphonaphthalic acid
Amyl ester of sulphophthalic acid
Amyl ester of sulphoterphthalic acid
Anhydro-omegacarboxymethyltriphenylphosphonium chloride
Anhydro-omegacarboxymethyltriphenylphosphonium hydroxide
Anilin fluosulphonate
Anthracenecarboxylenesulphonic acid derivatives
Anthracenecarboxylic acid derivatives
Anthracenesulphonyl chloride
Antimonic acid
Antimonictungstic acid
Antimony tannate
Antimony trimethylsulphate
Aromatic sulphodicarboxylic acids
Aromatic sulphodicarboxylic esters
Arsenic with green soap and sodium chloride
Arsenic salts
Arylsulphonamides
Arylsulphonamides with esters of phosphoric acid
Barium chlorobetasulphonate
Barium chlorodisulphonate
Barium chlor-2-naphthalenesulphonate
Barium 2-naphthalenebetadisulphonate
Barium salts
Benzene with arylsulphonamides
Benzene with condensation product of 6-chlor-2-cresol with formaldehyde
Benzene with the condensation product of metachlorophenol with formaldehyde
Benzene with strontium oleate
Benzeneorthodicarboxylic acid
Benzenesulphonic acid
Benzil
Benzilic acid
Benzin
Benzoin
Benzophenone
Benzophenonecarboxylic acid derivatives
Benzophenonesulphonic acid derivatives
Benzoyldiphenylenimide
Benzylamine fluosilicate
Benzylidenephenylacetylhydrazone
Benzylidenephenylbenzohydrazone
Benzylidenephenylethylhydrazonecarboxylic acid
Benzylidenephenylhydrazone
Benzylidenephenylmethylhydrazone
Benzylidenephenylmethylhydrazonesulphonic acid
(1-Benzyl-2-naphthoxy)-triphenylphosphonium hydroxide
(4-Benzyl-1-naphthoxy)-triphenylphosphonium hydroxide
Benzyltriethylphosphonium chloride
Benzyltriphenylphosphonium alphanaphthalenesulphonate
Benzyltriphenylphosphonium chloride
Benzyltriphenylphosphonium 1-naphthol-4:7-disulphonate
Benzyltriphenylphosphonium nitrate
Benzyltriphenylphosphonium perchlorate
Benzyltriphenylphosphonium salicylate
Benzyltriphenylphosphonium sulphate
Benzyltriphenylphosphonium thiocyanate
Beryllium salts
Beta-aminoethylanilin fluosilicate
Beta-b′:b″-trihydroxytriethylamine fluosilicate
Betabutoxyethyldiethylphosphoric ester
2:2′-Betamethoxyethyoxy-3:5:3′:5″-tetrachlorotriphenylmethane-2″-sulphonic acid
Betanaphthoxytriphenylphosphonium hydroxide
Betasulphophthalic acid amylester
Betaine fluosulphonate
Bis(3′-acetamidosulphoanilide)-4-chlor-1-phenol
Bis(2-alloxy-3:5-dichlorophenyl)-2′-sulphophenylmethane
6-Bis(N-benzylsulphonamide)-4-chlor-1-phenol
Bis(4-bromobenzenesulpho)-1:3-phenylenediamide
Bis(5-brom-2-hydroxyphenyl)methane
Bis(bromochlorohydroxyphenyl)methane
Bis(2-N-butoxy-5-chlor-3-methylphenyl)-5′-chlor-2′-sulphophenylmethane
Bis(2-N-butoxy-5-chlorophenyl)methane
Bis(2-N-butoxy-3:5-dichlorophenyl)-4′-chlorophenylmethane
Bis(2-N-butoxy-3:5-dichlorophenyl)-4′-chlor-2′-sulphophenylmethane
Bis(2-N-butoxy-3:5-dichlorophenyl)-5-chlor-2′-sulphophenylmethane
Bis(2-N-butoxy-3:5-dichlorophenyl)-5-chlor-2′-sulphophenylmethane
Bis(2-N-butoxy-3:5-dichlorophenyl)-2′:4′-disulphophenylmethane
Bis(2-N-butoxy-3:5-dichlorophenyl)-2′:4′:5′-trichlorophenylmethane
Bis(2-carboxy-4-hydroxyphenyl) disulphide
Bis(3-carboxy-2-hydroxyphenyl) disulphide
Bis(2-carboxy-4-hydroxyphenyl)anilide
Bis(2-carboxy-4-hydroxyphenyl)halogenanilide
Bis(3-carboxy-2-hydroxyphenyl)anilide
Bis(3-carboxy-2-hydroxyphenyl)halogenanilide

(To be continued)

Petroleum Solvents, Lubricants, Fuels

Contract Negotiations Supply Only Life to Solvents — Rubber Demands Light — Crude Oil Output Mounts —Still Runs Higher

The extreme dullness of the market for industrial raw materials derived from petroleum during the final week of 1937 was probably due mainly to inventory caution. Manufacturing buyers held their orders within narrow limits in an endeavor to minimize carry-over stocks. Contract negotiations for 1938 provided the principal point of activity in the solvents group. Except for some fair-sized business current in the Middle West, solvents moved into consuming channels in very slow fashion. The Akron tire producers were buying rubber solvents very sparingly. Waxes were quiet and so were petrolatums.

Motor fuels held their own during the week and because of the low prices in the Midcontinent there was a better brand of buying interest there than might ordinarily exist during the holiday period.

The crude oil situation leaned toward the weaker side. Low prices for motor fuels have forced refiners to seek cheap crudes, leaving an overhang of the higher-priced crudes.

Daily average production of crude oil in United States for the week ended December 25 was 3,492,600 barrels, according to the estimate of the American Petroleum Institute. This average was 52,750 barrels higher than the preceding week's average. The average for four weeks ended December 25 was 3,433,450 barrels and the average at this time a year ago was 3,133,250 barrels. Runs of crude to stills were reported to the A.P.I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 2,910,000 barrels for 78.6 percent of refinery operation. An additional run of 335,000 barrels daily was estimated to have been sent to stills unreported for a total estimated average of 3,245,000 barrels against 3,220,000 barrels in the preceding week.

Solvents and Diluents

Negotiations for 1938 contracts supplied the market for petroleum solvents and naphthas with most of its activity last week. Locally, the volume of spot business done was negligible but in the middle west there was a fairly good interest reported. Prices continued in an unchanged position at Midcontinent, Eastern and West Coast refineries; tankwagon prices were also unchanged.

Cleaners' Naphthas.—The market's position was unchanged and the demands were light except in the middle western area where a fairly good brand of interest was reported.

Petroleum Thinners.—Contracts for buyers' needs over the new year were being negotiated but otherwise the market showed little activity during the holiday period. The prices situation was fairly steady and there were no changes reported in either the tankcar or tankwagon market last week.

Rubber Solvents.—The tire makers were not interested in purchasing replacements at this time. The movement into the Akron tire district has been slow for the past several weeks. Tire output for the first 11 months of 1937 was 52,313,000 units, compared with 52,805,000 in the same months of 1936, according to the Rubber Manufacturers' Association.

Stoddard Solvent.—Except for a fair degree of interest from the consumers in the middle west, the market was idle. Prices were held in an unchanged position. The new commercial standards for this product are effective from February 10 this year.

V. M. & P. Naphthas.—Although demands are usually light in the face of year-end inventories, the middle western suppliers were reported to be doing a fairly good business last week. The eastern market was very quiet. Prices continued unchanged at the refinery points and also in the tankwagon market.

Markets at Other Centers

Chicago, Dec. 30.—Petroleum solvents and diluents are bought in fair quantities, even at the normally slow year-end period. The price structure has continued in a fairly stable condition. Various consuming industries are reported planning fairly good quantity purchases in the new year. Ruling prices in tankcar lots except as noted are (Tankcar prices f.o.b. Group 3, Oklahoma):—Blending naphtha, 4c. to 4⅜c. per gallon; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 17.2c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.9c., tankwagon; rubber solvent, 7⅜c. to 7½c.; lacquer diluent, 8⅜c. to 8½c.; Stoddard solvent, 6⅞c. to 7c., tankcar; 15.6c., tankwagon; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 16.2c., tankwagon.

Tulsa, Dec. 30.—No change has been made in quotations for any of the solvents. The market was dull but fairly firm considering the weakness in the gasoline price structure.

Lighter Fractions

Butanes, hexanes and other light hydrocarbon fractions in the gaseous solvents group passed a quiet and uneventful week as the turn of the year approached. Demands from industrial users were quite small as the buyers endeavored to hold inventories down to a minimum. The prices have held without shift for some months.

Butanes.—Characteristic steadiness of price and light movements of material into consumption marked the performance of the material during the final week of the old year.

Heptanes.—Conditions surrounding the market for this commodity were also unchanged last week. Prices were steady at the levels that have been in force for some months back.

Octanes.—This mixture shared in the general quiet of the market for light solvent fractions. The price situation has not been disturbed during the past several months.

Petrolatums and Waxes

White Mineral Oils.—The full forces of the quiet that is usual during the holiday period were very much in evidence last week. There was very little material moved against contract or on spot purchase. Prices for domestic and imported materials held unchanged.

Paraffin Waxes.—Crude scale wax drifted through the holiday period without much attention from the buyers. The quoted position of the market was 2.85c. per pound for either 122-124 or 124-126 A.m.p. grades but a better figure could have been worked in some directions. The fully refined waxes were lacking in consumer attention also. There were no price changes reported in the fully refined waxes.

CHICAGO, Dec. 30.—The refined petroleum wax market continued quiet, but generally firm and in good tone as a whole. A fairly good amount of business has continued to originate in both domestic and foreign sources. Prospects are believed rather good for the market next year. Ruling prices are:—122-124, 5.65c. to 5.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Dec. 30.—There was a fair volume of trading in 124-26 American crude which was quoted at unchanged prices of 2.85c. to 3⅛c. per pound.

Petrolatum.—Ambers were moving in fairly well at this time, and the prices were quite firm. There was some evidence of softness in snow white, and it was reported possible to place orders at prices slightly under the schedule. Ambers, however, could not be shaded.

Fuels and Lubricants

The old year's final week was a dull and uneventful period in the refined oils market in the East. Gasoline demands from the jobbing buyers were irregular. Prices were unchanged throughout the list, with the exception of export prices for gasoline and kerosene at the Gulf. Peculiarly, all grades of gasoline for export from the Gulf were quoted at one price.

Tankwagon Price Changes

CHICAGO. — Principal distributors of range oil advanced tankwagon prices of the product in metropolitan Chicago December 27 ½c. per gallon. New prices:—For 150 gallons and more, 8c.; for 100-149 gallons, 8.5c.; for less than 100 gallons, 9c.

Market Conditions

Gasoline.—The Eastern bulk market was without particular feature last week. Prices for tankcars of 65 octane material continued at 7c. to 7¼c. per gallon, at refineries. There was not much buying by the jobbing interests. The tankwagon markets in the Eastern seaboard sector were in fairly good shape and there have been no changes reported in the past few weeks. Export quotations at the U. S. Gulf were lower except in the case of U. S. motor material, which remained at 5¼c. per gallon. Peculiarly all other grades for export were quoted at 5¼c. per gallon last week, embracing the 60-62, 390 e.p., the 60-62, 400 e.p., and the 64-66, 375 e.p.

Kerosene.—The movement of tankcar quantities out of the Eastern refinery points continued moderate last week. The demands seem irregular, depending upon weather conditions. The prices for 41-43 water white material in tankcars at the refineries continued around 6¼c. per gallon. In the export market at the Gulf, prime white was quoted at 5c. per gallon and water white was named at 5⅛c. per gallon.

Fuel and Gas Oils.—The market for fuels was reported as having been somewhat sluggish last week. The movement out of the refineries was not so large as it had been in recent weeks. Prices did not show any change from a week ago. Marine interests were moderate buyers of bunker oil and Diesel.

Lubricating Oils.—The Pennsylvania market was still reported as having been weak, but there were no open changes in the price list last week. Domestic and export interest was mild all week.

Crude Oil Price Changes

California

Effective December 22, the Standard Oil Company of California posted prices for crude oil in the Greeley and Canal fields in Kern County. The prices range from 84c. per barrel for 27 gravity with a 4c. differential for each degree of gravity up to 29-29.9 at 92c. per barrel; a 3c. differential for each gravity up to 30-30.9 at 95c. per barrel; a 4c. differential for each gravity up to 39-39.9 at $1.31 per barrel; 40-40.9 gravity at $1.34 per barrel; 41-41.9 gravity at $1.38 per barrel; 42-42.9 at $1.41 per barrel; a 4c. differential for each gravity up to 45-45.9 gravity at $1.53 per barrel; 46-46.9 at $1.56 per barrel; 47-47.9 at $1.60 per barrel; and 48-48.9 at $1.64 per barrel. The Canal field is new. It is located about six miles southwest of the center of the Greeley field.

Markets at Other Centers

Tulsa, Dec. 29.—Trading in the refined oil markets closed the year in a quiet manner. Inventory policies appear to be the dominant factor throughout the fields. The tone of the market is firm in nearly all departments with the exception of lubricants which are still influenced by the high inventories in the East. Gasolines are being offered less freely in both products, the motor fuels and in naturals. Considerable trading has developed in the latter at the year end due to low prices. In the kerosene quotations there is also firmness and trading is fairly brisk while the burning oils (distillates) are more active as refiners are willing to offer some of their production due to short-lived cold wave throughout the middle West.

The outstanding note of the market is the increased interest in motor fuel. Although they have not developed trading, there are additional signs that refiners will turn buyers. The present low price brings about such a loss in total operations that further curtailment in through-

Outputs and Quotas

A comparison of Bureau of Mines calculations for December production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended December 25 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma	588,800	550,000	550,300
Kansas	186,000	175,700	182,200
Texas	1,399,800	*1,396,842	1,395,000
Louisiana	244,000	253,975	252,350
Arkansas	33,900	.....	45,300
Eastern	126,200	.....	136,100
Michigan	51,800	.....	51,200
Wyoming	51,100	.....	49,500
Montana	15,800	.....	13,350
Colorado	4,400	.....	4,450
New Mexico	104,100	.....	107,750
California	679,400	†674,000	704,900
Totals	3,491,300	.....	2,492,600

* Allowable effective December 16 revised to 1,357,573 effective December 18.

† Recommendation of Central Committee of California Oil Producers.

Oil, Gas Permits Extended One Year

(Continued from page 5)

within which to ripen their permits into leases under the act of February 25, 1920, as amended, or to exchange them for leases under the act of August 21, 1935.

All permits extended by the order are thereby placed in good standing so that notices of intention to drill may receive immediate approval.

The secretary stated that prompt reply would be made to all inquiries as to whether any permit was in fact outstanding December 31, 1937, and therefore comes within the terms of the order of extension. Permittees who have filed applications to exchange their permits for leases will be afforded an opportunity to elect whether to accept the additional year's extension granted by this order or to take the exchange lease.

Secretary Ickes emphatically declared that the extension to December 31, 1938, granted by the Department, and the two-year extension to December 31, 1939, granted by the act of August 26, 1937, are the final years of the permit system and that any permittee who fails to earn the right to a lease under the act of February 25, 1920, as amended, during the final period allowed him can continue prospecting work on the land only if he secures a lease under the act of August 21, 1935, in exchange for his permit.

The extension order does not affect or revive oil and gas prospecting permits which have been canceled by the Department of the Interior prior to December 31, 1937, or which have terminated at the end of their current term, or which have already been exchanged for leases.

The State of the Petroleum Market

New crude oil prices were posted at Greeley and Canal fields in California. Gasoline was unchanged at the Midcontinent.

	Dec. 30	Dec. 23	Last Year
Crude petroleum prices at well (average for ten fields) per barrel	$1.322	$1.322	$1.276
Gasoline prices at refineries (at four refining centers) per gallon	.0525	.0525	.0534375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 6

NEUTROLEUM
ALPHA . . . GAMMA
Aromatic concentrates that neutralize and perfume. For use in fly sprays and all other preparations based on Petroleum distillates,
Write for detailed information
FRITZSCHE Brothers, inc.
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FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG.
76 NINTH AVENUE, NEW YORK, N.Y.
118 WEST OHIO ST. CHICAGO, ILL

Petroleum Production—Motor Fuel Stocks

	Barrels	
	1937 Jan. 1-Dec. 31	1936 Jan. 1-Dec. 31
Commercial crude oil production	1,268,959,000	1,076,634,000
Gross domestic production (including oil burned on leases)	1,271,649,000	1,092,783,000
	Jan. 1, 1938	Jan. 1, 1937
Commercial crude oil production	3,481,900	3,118,300
	Week ended Jan. 1, 1938	Week ended Jan. 2, 1937
Daily average production	3,481,900	3,118,300
	Week ended Dec. 25, 1937	Week ended Dec. 18, 1937
Estimated motor fuel stock total	74,437,000	73,288,000
Estimated finished motor fuel stock at refineries	43,318,000	41,742,000

put is being effected. A few small orders were placed in the "Q" grade this week by some major interests. This is the first time that important interests have entered the market.

Smaller interests are also finding it more economical to buy motor fuel on the spot market than producing it, so a demand factor is coming into the market while the excess supply is disappearing.

This condition, however, is affecting the crude oil market. The low price for gasoline has caused several refiners to seek cheaper sources of crude oil and causing them to abandon the higher-priced material, thereby bringing about a surplus of the highest-priced crudes such as East Texas oils. The cut in the Lisbon Louisiana market has been the outstanding development in this direction. As a result of the price change there is a differential of 37c. a barrel in favor of Lisbon against East Texas, although reduced when the oil is delivered to East Texas plants, it, nevertheless, amounts to 27c. when transportation is included.

As a result of the Kansas high allowables fixed for January by the corporation commission there is also some weakness creeping in the Kansas crude markets.

GASOLINE.—Quotations for the U. S. Motor remain at 3¾c. per gallon with 4c. named by several plants. Most of the trading, however, is at the lower figure. The 63-66 octane is 4⅛c. to 4⅜c. per gallon while the 67-69 is 4¼c. to 4½c. per gallon and the 70-72 is 4½c. to 4¾c. per gallon.

KEROSENE.—The 41-43 is 4⅛c. to 4⅜c. per gallon while the 42-44 grade is 4¼c. to 4½c. per gallon.

DISTILLATES.—Concessions of ⅛c. per gallon were made on occasional sales during the week. The 38-40 No. 1 is 4c. to 4⅛c. per gallon and No. 2 straw at 3⅞c. to 4c. per gallon while gas oils are 3⅝c. and No. 3 at same price.

FUEL OILS.—More inquiries for new contracts are in the market mostly for the 15 and 18 degree grades of industrials. There is still weakness in the heavy grades with the residuals being offered at 65c. per barrel. The 24-28 low cold test is $1.07½ to $1.12½ per barrel and the high cold test 90c. to 95c. per barrel.

Chicago, Dec. 29.—Demand for gasoline has continued to undergo seasonal influences, but on the whole is believed to be making a fairly good showing. The tank-car market has taken on a slightly steadier aspect. Demand is not very active in the spot dealings, but orders on contract are showing a little more vitality as jobbers send in instructions for material to reach them after the first of the year. Kerosene is in good call for winter. The good heating products all are strong and not overly plentiful. Buying is active. The heavy fuels are continuing weak and dull. Lubricating oils are still spot and unsettled.

GASOLINE.—Low octane motor, 4c. to 4⅜c. per gallon; 63-66 octane motor, 4⅜c. to 4¾c.; 67-69 octane motor, 4⅝c. to 5⅛c.; 70-72 octane regular, 5c. to 5⅜c.; 60-62, 400, 4c. to 4⅜c.; 64-66, 375, 4¾c. to 5⅛c.; 68-70, 360, 5c. to 5¼c.

KEROSENE.—42-44, water white, 4⅜c. to 4⅝c. per gallon; 41-43, water white, 4⅛c. to 4⅜c.

FURNACE OILS.—No. 1 prime white, 4⅛c. to 4¼c. per gallon; No. 1 straw, 4c. to 4⅛c.; No. 2 straw, 3⅞c. to 4c.; No. 2 dark, 3⅝c. to 3¾c.; No. 3, 3½c. to 3⅝c.; 32-36, dark, industrial gas oil, 3c. to 3⅛c.

FUEL OILS.—No. 4, $1.10 to $1.15 per barrel; No. 5, 75c. to 82½c. per barrel; No. 6, 67½c. to 75c.

New Orleans, Dec. 28.—Firmness was the keynote of the domestic market during the past week, with no change in previous price quotations. Foreign inquiries and exports were good. U. S. motor gasoline was quoted at 5½c.; U. S. motor below 62 octane at 5½c.; 63-67 octane at 5⅞c. and 68-70 octane at 6⅜c.—all per gallon at refinery.

The price of kerosene remained unchanged at 7⅝c. per gallon at refinery.

Bunker C fuel oil continued to be quoted at 95c. per barrel at terminal and $1 per barrel delivered alongside. Industrial plants in this vicinity were quoted on this grade at $1.46 per barrel, delivered.

Dividends Declared Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Abbott Laboratories	Com.	Ext.	20c.	Dec. 29	Dec. 16
Abbott Laboratories	Pfd.	Int.	46½c.	Jan. 15	Jan. 1
Agfa Ansco Corp.	Com.	..	50c.	Dec. 20	Dec. 17
Air Reduction Co.	Com.	Q.	25c.	Jan. 15	Dec. 31
Air Reduction Co.	Com.	Ext.	25c.	Jan. 15	Dec. 31
American Commercial Alcohol Co.	Com.	Stk.	....	Dec. 24	Dec. 21
American Cyanamid Co.	Cl. A	Q.	15c.	Dec. 21	Dec. 24
American Cyanamid Co.	Cl. B	Q.	15c.	Dec. 21	Dec. 24
American Hard Rubber Co.	Com.	..	$2.00	Dec. 22	Dec. 10
American Hard Rubber Co.	Pfd.	Q.	$2.00	Dec. 22	Dec. 10
American I. G. Chemical Corp.	Cl. A	..	$2.00	Dec. 28	Dec. 24
American Maize Products Co.	Pfd.	Q.	$1.75	Dec. 21	Dec. 14
American Metal Co., Ltd.	Com.	..	$1.75	Dec. 24	Dec. 17
American Products Co.	Pr. pfd.	Q.	8¾c.	Jan. 3	Dec. 24
American Products Co.	Pfd.	Q.	37½c.	Jan. 3	Dec. 24
Arkansas Natural Gas Corp.	Pfd.	..	60c.	Dec. 24	Dec. 21
Arkansas Fuel Oil Co.	Pfd.	Q.	15c.	Dec. 30	Dec. 21
Autoline Oil Co.	Com.	..	20c.	Dec. 28	Dec. 24
Autoline Oil Co.	Pfd.	Q.	20c.	Jan. 3	Dec. 24
Badger Paint & Hardware Stores.	Com.	Q.	50c.	Dec. 26	Dec. 20
Bakelite Corp.	Pfd. A	Q.	$1.62½	Dec. 13	Dec. 10
Buck Creek Oil Co.	.....	Int.	10c.	Dec. 27	Dec. 17
Canada Starch Co., Ltd.	Com.	Int.	50c.	Dec. 27	Dec. 20
Carey (Philip) Manufacturing Co.	Pfd.	Q.	$1.50	Dec. 27	Dec. 20
Carey (Philip) Manufacturing Co.	Pfd.	Q.	$1.25	Dec. 27	Dec. 20
Cleveland Cliffs Iron Co.	Pfd.	Q.	$1.25	Dec. 24	Dec. 18
Cleveland Cliffs Iron Co.	Pfd.	..	$1.50	Dec. 24	Dec. 18
Cleveland Graphite Bronze Co.	Com.	Yr.-end	$1.30	Dec. 29	Dec. 21
Climax Molybdenum Co.	Com.	..	30c.	Dec. 23	Dec. 16
Climax Molybdenum Co.	Com.	..	60c.	Dec. 23	Dec. 16
Coca-Cola Bottling Corp. (Del.)	Cl. A	Q.	62½c.	Dec. 24	Dec. 15
Coca-Cola Bottling Corp. (Del.)	Cl. A	Ext.	$1.25	Dec. 24	Dec. 15
Consolidated Chemical Industries	Cl. A	Q.	37½c.	Feb. 1	Jan. 15
Consolidated Coppermines Corp.	.....	..	12½c.	Dec. 24	Dec. 20
Consolidated Oil Corp.	Com.	Q.	20c.	Feb. 15	Jan. 15
Corn Products Refining Co.	Com.	Q.	75c.	Jan. 20	Jan. 3
Corn Products Refining Co.	Pfd.	Q.	$1.75	Jan. 15	Jan. 3
Coty, Inc.	.....	..	10c.	Dec. 24	Dec. 14
Crown Drug Co.	Pfd.	Q.	43¾c.	Feb. 15	Feb. 10
Cunningham Drug Stores	Com.	Q.	37½c.	Jan. 20	Jan. 5
Cunningham Drug Stores	Pfd. A	Spl.	$3.00	Jan. 3	Dec. 20
Cunningham Drug Stores	Pfd. B	Q.	$1.50	Jan. 20	Jan. 5
Derby Oil & Refining Corp.	Pfd.	Acc.	$6.00	Dec. 24	Dec. 20
Derby Oil & Refining Corp.	Pfd.	Acc.	$1.00	Mar. 1	Feb. 21
Dow Drug Co.	Pfd.	Q.	$1.75	Jan. 8	Dec. 21
Emerson Drug Co.	Com. A	..	50c.	Dec. 20	Dec. 8
Emerson Drug Co.	Com. B	..	50c.	Dec. 20	Dec. 8
Emerson Drug Co.	Pfd.	Q.	50c.	Dec. 20	Dec. 8
Federal Chemical Co.	Pfd.	Acc.	$1.50	Dec. 23	Dec. 21
General Metals Corp.	Com.	Ext.	50c.	Dec. 24	Dec. 18
General Optical Co.	Pfd.	Acc.	75c.	Dec. 28	Dec. 20
General Printing Ink Corp.	Com.	..	30c.	Dec. 27	Dec. 17
General Printing Ink Corp.	Pfd.	Q.	$1.50	Jan. 3	Dec. 17
Gilmore Oil Co.	.....	..	25c.	Dec. 24	Dec. 17
Gordon Oil Co.	Cl. B	..	40c.	Dec. 15	Dec. 1
Heyden Chemical Corp.	Com.	Ext.	50c.	Dec. 22	Dec. 17
Hilton Davis Chemical Co.	Com.	Q.	25c.	Dec. 24	Dec. 1
Hilton Davis Chemical Co.	Pfd.	Q.	37½c.	Dec. 24	Dec. 20
Indiana Gas & Chemical Corp.	Pfd.	Spl.	$1.50	Dec. 28	Dec. 20
Kendall Refining Co.	Com.	..	50c.	Dec. 27	Dec. 16
Kinsel Drug Co.	Com.	Spl.	5c.	Dec. 24	Dec. 18
MacAndrews & Forbes Co.	Com.	..	$1.00	Jan. 15	Dec. 31
Merck & Co.	Com.	..	25c.	Dec. 23	Dec. 18
Merck & Co.	Com.	Spl.	75c.	Dec. 23	Dec. 18
Merck & Co.	Pfd.	Q.	$1.50	Jan. 3	Dec. 18
Midland Oil Corp.	Pfd.	Acc.	25c.	Dec. 29	Dec. 24
Petroleum Corp. of America	.....	..	37c.	Dec. 24	Dec. 14
Pyrene Manufacturing Co.	Com.	..	30c.	Dec. 23	Dec. 16
Parke Davis & Co.	.....	..	50c.	Jan. 3	Dec. 22
Procter & Gamble	Pfd.	Q.	$2.00	Jan. 15	Dec. 24
Reed Drug Co.	Com.	Int.	35c.	Dec. 28	Dec. 23
Root Petroleum	Pfd.	Q.	30c.	Jan. 3	Dec. 21
Shamrock Oil & Gas Corp.	Pfd.	Q.	$1.50	Jan. 3	Dec. 20
Shamrock Oil & Gas Corp.	Pfd.	Spl.	30c.	Jan. 3	Dec. 20
Southern Acid & Sulphur Co.	Pfd.	Q.	$1.75	Jan. 3	Dec. 10
Tennessee Corp.	Com.	..	10c.	Dec. 23	Dec. 17
Tom Bell Royalty	Com.	..	1c.	Dec. 20	Dec. 10
Valley Agricultural Co.	Com.	..	$2.00	Dec. 22	Dec. 20
Victor Chemical Works	Com.	..	30c.	Dec. 22	Dec. 15
Wellington Oil Co.	Com.	..	5c.	Dec. 29	Dec. 21
Wiser Oil Co.	Com.	Q.	25c.	Jan. 3	Dec. 12
Wrigley (Wm.) Jr.	.....	Mo.	25c.	Feb. 1	Jan. 20
Wrigley (Wm.) Jr.	.....	Spl.	25c.	Dec. 27	Dec. 20
Wrigley (Wm.) Jr.	.....	Mo.	25c.	Mar. 1	Feb. 19
Wrigley (Wm.) Jr.	.....	Mo.	25c.	April 1	Mar. 19

Petroleum Conversion Corporation has leased 22,000 square feet in the Bayway Terminal, Elizabeth, N. J., for a long term. The space provides a large area for outside tank storage.

Petroleum Freights from Montana Points Reduced

WASHINGTON, Dec. 28, 1937.

The Interstate Commerce Commission has authorized lower rates on petroleum products, carloads, from Billings to Laurel, Mont., to destinations in North Dakota, South Dakota, and Minnesota, following complaint of shippers that rates over the Great Northern and Northern Pacific railroads were preferential to shippers in Wyoming and the Midcontinent field.

The new order provides for the establishment to St. Paul, Duluth, and points in intermediate territory, of a rate not exceeding 57.5 cents per 100 pounds on high-grade petroleum products and lower rates where warranted to additional groups of main-line points in intermediate territory. The new rates to International Falls, Minn., and intermediate points north of Bemidji, Minn., will reflect amounts over the rate of 57.5 cents to Bemidji.

Rates on low-grade petroleum products, including asphalt, are set at 80 percent of the rates on high-grade refined products, under the order.

Ethyl Gasoline Makes Kaley Sales Head

Harry W. Kaley has been appointed general sales manager for the Ethyl Gasoline Corporation, this city, effective January 1. He has been connected with the corporation for eleven years, serving as advertising manager and assistant sales manager.

Farish Honored by France

The Order of Commander of the Legion of Honor has been conferred on W. S. Farish, president of the Standard Oil Company of New Jersey, by the French Government. The award is in recognition of Mr. Farish's work as a member of the National Petroleum War Service Committee.

DEEP ROCK OIL CORPORATION

GENERAL SALES OFFICE: 155 NORTH CLARK STREET, CHICAGO

Decatur Des Moines Milwaukee Minneapolis Oklahoma City Omaha St. Louis Tulsa

Refinery: Cushing, Oklahoma

Fertilizer Materials

Turn of Year Marked by Extreme Dullness—January Business Expected to Be Light Unless Farm Control Bill Is Settled Soon

Fertilizer chemicals failed to find any relief from the dullness which has constricted things into a state of virtual immobility. Usually things liven in the latter part of January but some of the operators in the market fear that January business will continue along the current dull course unless there is an early disposal of the farm control bill which is now in the hands of the conference committee.

Conditions at the commencement of the new year were in sharp contrast with the state of the market at the beginning of 1937 when organic ammonia values averaged a dollar per unit higher than they are to-day. Last January, organic materials in hand were considered rather valuable property and it was considered questionable at that time as to whether or not the supply would be sufficient for some of the fertilizer producers to maintain usual organic standards in their analyses. To-day, organics and materials other than those bought on an annual contract basis have no interest for the buyers albeit there has been some purchasing of packing house by-products by the feeding interests during the past ten days.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dom., N. Y., 10c. per unit-ton.
Calcium phosphate, dibasic, precip., import., 4c. per unit-ton.
Tankage, dom., feed grade, Chicago, 25c. per unit-ton.
ground, unground, N. Y., 20c. to 25c. per unit-ton.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	66.7	66.7	63.6

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The termination of the calendar year was a very quiet period for this commodity. There has been very little material ordered out against contracts during the past several weeks and the sellers did not expect much interest from the buyers until some time later this month. Prices continued firm at the schedule. The British Sulphate of Ammonia Federation's report for the 1936-1937 season shows Chilean nitrate production of 206,000 metric tons against 192,000 metric tons in the preceding year, and, consumption of 242,000 tons against 216,000 metric tons in the preceding year. These figures are expressed in metric tons of pure nitrogen.

Sulphate of Ammonia.—Although the activity of users was light during the holiday period, the market did not lose any of its previous tightness. As a matter of fact, steel mill operations decreased further, creating additional potential scarcity of by-product sulphate. Last week's steel mill operations were estimated to have been about 19 percent of capacity. The Bureau of Mines estimate of by-product ammonia production in November was off 20 percent from the October estimate, the sharpest month to month drop within memory. The November output, expressed in the ammonia sulphate equivalent of all forms of by-product ammonia produced, was only 50,234 tons, the smallest monthly total since February last year. The October production was 62,806 tons and the production in November last year was 63,059 tons. The estimated production for the first 11 months of 1937 was 733,700 tons against 626,592 tons in the same months of 1936. Although there were no public statistics on the unsold stocks of sulphate, there has been a story going around the market that several of the largest supplying mills were practically cleaned out of sulphate on the first of November. If that is the case, and, if consumption does not decrease any further than the early estimates made around convention time, sulphate may show a nice profit to those who bought on the long-term contracts. For, December's production will likely show a further decrease from the November output and there is not much likelihood of an increase in January.

Dried Blood.—The activity of the feed people has tightened the market. As reported in the late market summary of last week's issue, sales were registered in New York at $3 per unit, an increase of 10c. Chicago held firm at $3 to $3.15 per unit, according to quality. Imported material for January shipment was nominal around $3.25 per unit, c.i.f.

Fish Scrap.—There is very little activity in the market. It seems cheaper to buy Japanese sardine meal on spot or afloat than to buy for shipment from abroad. The shipment price is fairly firm at $46 per ton, c.i.f. while the material arriving on old sales has been offering at $45 to $45.50 per ton, with importers apparently willing to take a loss or just about break even in order to get rid of the goods.

Nitrogenous Material.—There was very little interest in the market and because of the lack of trading, the prices were more or less nominal and were best ascertained on inquiry. The nominal position was around $2.25 per unit in the West and $2.50 to $2.55 per unit in the East.

Tankage.—Feeders activities during the past ten days have stiffened prices. In New York, unground material sold at $2.80 and 10c per unit-ton, a rise of 20c over the previous asking price. The material in this transaction was said to be low test and regular grades would probably command a higher price. The ground product was quoted at $3 and 10c per unit-ton, up 25c from a week ago. Feeding grade material in Chicago was advanced to $3.25 and 10c per unit-ton, a boost of 25c.

Potashes

The market was extremely quiet. There has been no new trading in the market for some time and little is expected. The buyers were believed to have been amply covered on their purchases made earlier in the season when discounts were available.

Phosphates

Products included in this division of the market continued to share in the idleness of the general market for agricultural chemicals. There was neither buying inquiry nor price movement and the period under review was one of the dullest of the past year.

Bone Materials.—Conditions surrounding the market were unchanged from a week ago. There were no changes in price for either the domestic or the foreign bone products and there was very little buying interest.

Superphosphate.—November production in plants reporting to the N.F.A. was 4 percent less than November 1936 and was for the first time since February 1936 under the output of the corresponding month in the preceding year. Shipments were in excess of November 1936 and stocks increased to 1,019,956 tons in bulk and 396,990 tons in base and mixed goods against November 1936 figures of 820,931 tons in bulk and 272,334 in base and mixed goods. November production was 324,514 tons in bulk and 2,211 tons in mixed goods against November 1936 output of 331,384 tons in bulk and 8,304 tons in base and mixed goods. These figures are expressed in equivalent tons of 16 percent a.p.a.

Sulphur and Pyrites

The sulphur market did not contain much for comment last week. The deliveries were small as the end of the year approached because of a general disposition to hold inventories down to a minimum. The price situation continued steady and undisturbed as the basis of $18 per long ton, f.o.b. mines.

Markets at Other Centers

Atlanta, Dec. 28.—Fertilizer business was without life during the holidays. The fertilizer industry will be glad when the federal government has completed its crop allotment legislation, as it believes that delay in buying fertilizer materials is very greatly involved.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, f.o.b. ports.

SULPHATE OF AMMONIA.—$29 per ton, port basis.

COTTONSEED MEAL.—$22.50 to $23 per ton, interior mill points.

BLOOD.—$3 per unit, Chicago.

TANKAGE.—$2.75 and 10c., Chicago; $2.25 and 10c., ports.

NITROGENOUS.—Imported, $2.55 per unit; midwest, $2.25.

Baltimore, Dec. 29.—The quiet in the market for crude fertilizer materials became more pronounced during the last week. The current quotations follow:—

FISH SCRAP.—With the menhaden fishing suspended at least until next March, when the operations off the Florida coast begin, transactions in this ammoniate have dropped to low levels. As far as the lower Chesapeake Bay is concerned there are only about 100 tons of scrap unsold, and are held at $3.75 and 10c. per unit-ton, at factory, at which level no buying interest has developed so far. Domestic menhaden meal is quoted at $53 per ton.

TANKAGE.—$2.50 and 10c. per unit-ton for unground, and $2.70 and 10c. for ground.

BLOOD.—$3 per unit-ton at shipping point.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 6

S
CURVE

The plotting of an "S" Curve on industrial charts, denoting shipments of sulphur, would trace to a high degree of exactness the tempo of American industry and agriculture. This is true because sulphur is a unique common factor, a keystone of dozens of industrial processes and farming operations.

Sulphur is more than ever the Great Necessity in the unfolding of this new Age of Chemicals. Research experts in laboratories and those who employ chemical processes commercially, know sulphur and sulphuric acid as staples.

Since 1912 the Freeport Sulphur Company has been their active ally, steadily broadening its understanding of the problems of industry and agriculture in the solution of which sulphur plays a vital part.

From the mining of sulphur—99.5% pure—to its delivery at the factory or laboratory receiving room, the service rendered by the Freeport organization has enabled the purchaser to realize the full value of sulphur's contribution to his product.

Ample stocks of sulphur, guaranteed 99.5% pure and free of arsenic, selenium and tellurium, assure prompt delivery.

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122 East 42nd Street, New York, New York

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AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

CRUDE SULPHUR
99½% PURE
Free From
ARSENIC, SELENIUM AND TELLURIUM
TEXAS GULF SULPHUR COMPANY
(INCORPORATED)
75 East 45th St., New York City
Deposits and Plants: Newgulf and Long Point, Texas

SUPERPHOSPHATE.—The market stands at $8.50 per ton for run of pile and at $9 per ton for 16 percent guaranteed.

GARBAGE TANKAGE.—$8 to $8.50 per ton at shipping point, which make it about around $12 delivered in Baltimore.

BONE.—$23 per ton c.i.f. for bone flour; $26 per ton for 3 and 50 steamed, c.i.f.; $32 per ton for 4½ and 50 ground raw, also c.i.f., these being the quotations on imported material. Domestic supplies are at $28 per ton for steamed and $34 per ton for raw f.o.b. shipping point.

Chicago, Dec. 29.—A firming of fair proportions is reported in certain sections of the general fertilizer materials market. Demand has picked up a little here and there, and the sellers in some of the products have been hardly so ready to press material for sale. Blood is reported slightly steadier, and commanding prices that are a little better than a few weeks earlier. Tankage is in fair call at this time, with buyers showing a fair amount of interest. In bone materials, the market is mixed, with some products a little easier.

BLOOD.—Principal grade, $3 to $3.05 per unit of ammonia.

TANKAGE.—High grade, ground, $2.75 to $2.85 and 10c.; low grade, $15 to $16; liquid stick, $2.50 to $2.60; hoof meal, $3.25 to $3.35.

BONE MATERIAL.—Ground, steamed bone, 1¼ and 60 percent, $18 to $19; 3 and 50 percent, $19 to $21; 4½ and 50 percent, $26 to $29; grinding hoofs, pigs' toes and waste horn materials, $35 to $40, mostly nominal; cattle jaws, skulls and knuckles, $17 to $19; pork cracklings, soft pressed, $35 to $40; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 55c. to 60c.

San Francisco, Dec. 28.—This market continued in quiet fashion last week, buying being confined to the usual narrow channels at this time of the year while the industry contented itself mostly to getting contracted shipments on their way. There has been a good movement just lately of all kinds of chemical products which have been previously contracted, and potashes have arrived in good volume from Europe. Little is heard of sulphate of ammonia. Production on the Coast is reported to be still sold ahead and local material is not being generally offered in the market except in occasional instances of resale. In the organics picture fish meal is moving slowly in small parcels and blood and tankage are much in the same picture.

Ruling prices are:—

NITRATE OF SODA.—100-pound bags, $29 per ton ex vessel San Francisco/Oakland; 200-pound bags, $28.30 per ton ex vessel San Francisco/Oakland. Bulk lots are quoted at $27 per ton ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Sellers of Pacific Coast and Canadian production of sulphate of ammonia have withdrawn from the market.

SUPERPHOSPHATE.—Domestic quoted at 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay. Bags quoted at from 80c. to 85c. per unit. Foreign material nominal.

AMMONIA PHOSPHATE.—Sellers have withdrawn from the market.

FISH MEAL.—California sardine meal is quoted for delivery from production out of current season at $36.50 per ton, f.o.b. cars, San Francisco/Monterey, and $38.50 per ton, f.o.b. cars, production point, southern California.

TANKAGE.—Domestic packing house tankage, ground, fertilizer grade, quoted at $3 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted at $2.60 and 10c. Dry rendered, ground, quoted at 62½c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 55c.

BLOOD MEAL.—Domestic blood meal is quoted at $2.75 per unit, f.o.b. cars, Los Angeles.

BONE MEAL.—Domestic and imported steamed bone meal quoted in range, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

Du Pont Markets New Lacquer Colors

A new scarlet color for use in lacquers has been developed by the dyestuffs division of the E. I. du Pont de Nemours & Co. Known as "Lithosol" scarlet 2YL, it has a deep masstone and yellow tint, and, when used as a strontium toner, closely resembles Du Pont scarlet 2R for lakes in shade. The barium toner is much lighter in masstone and yellower in shade than the strontium type, whereas the calcium salt is very blue in shade and slightly yellower in masstone. Tests demonstrated a good resistance to light. The new dye is also non-bleeding in oil, water or alcohol and is unaffected by acids, alkalis or baking.

Another new color, just announced, is "Lithosol" fast yellow HL powder, which is expected to find use in water paints and lacquers. It is a lake color yielding bright, medium shades of yellow, slightly greener and brighter in shade and a little darker in masstone than "Lithosol" fast yellow HN powder, to which it is chemically related. The new color has exhibited good tinctorial strength and working properties and fastness to light, acid and alkali. Fast yellow HL powder is a pigment which does not require a precipitating agent when mixed or thrown on bases.

P. D. George Co. Orders 10 Percent Bonus for 1937

The P. D. George Company, St. Louis, paint and varnish manufacturer, will distribute a 10 percent bonus to its eighty employees for 1937, according to P. D. George, president. The bonus amounts to approximately five weeks' salary, and is in addition to the 10 percent wage increase placed in effect in July, 1937. The George Company maintains a forty-hour week, with pay for vacations and legal holidays. The company also carries, at no expense to its employes, group life and health insurance.

Baltimore Paint Club Holds Christmas Party

The Baltimore Paint, Varnish and Lacquer Association held a Christmas party at the Southern hotel December 17. In attendance were seventy-four persons, among them members of the Paint and Varnish Production Club, and the Paint Salesmen's Club. William McGill, president of the association, presided. A dinner was followed by an enjoyable program of entertainment, which was arranged by J. F. Whitescarver, of the U. S. Industrial Alcohol Company, chairman of the entertainment committee.

Louisville P.V.P. Club Elects 1938 Officers

The Louisville Paint and Varnish Production Club, at its annual meeting in December, elected the following officers for 1938:—President, A. J. Porter, of the Charles H. Long, jr., Company; vice-president, J. C. Gehant, and secretary-treasurer, Henry L. Bakes, of the Kentucky Color & Chemical Company.

The guest speaker was J. McE. Sandman, of the American Cyanamid & Chemical Corporation, who discussed the newer resins of the various fields, particularly the beetle variety. The baking characteristics of resin were explained and illustrated by panels, with considerable open discussion on driers, primers and pigmentation.

A letter was read from Dr. Ernst, of the University of Louisville, in which he expressed appreciation of the efforts of the production and paint clubs in the matter of securing necessary equipment needed by the chemistry department of the university. Dr. Ernst also applied for membership in the club. His application was referred for a ruling to the Federation of Paint and Varnish Production Clubs.

The Louisville club approved of the federation's ruling regarding the matter of solicitation from the raw material men. W. E. Veneman, of the E. H. Marcus Paint Company, was elected to membership. Approximately fifty members and guests attended the meeting.

Lacquer License Wanted in Poland

A firm located in Warsaw is interested in purchasing from an American manufacturer a license for the production of high-quality lacquers in Poland. Complete details covering the name and address of the manufacturer together with a world trade report on the foreign firm may be secured upon application to the Chemical Division of the Bureau of Foreign and Domestic Commerce, Washington.

There are about sixty-five paint and varnish manufacturers in Poland, and the total output of paint products in 1936 was 5,300 metric tons, which was an increase of approximately 18 percent over the previous year. The gain in output, however, was attributed mainly to cheaper grades of paint products. The foreign trade in lacquers during 1936 amounted to 85 metric tons imported into the country and 37 metric tons exported.

Owens-Illinois Can Rents Warehouse in Jersey City

The Owens-Illinois Can Company, subsidiary of the Owens-Illinois Glass Company, Toledo, Ohio, has leased the ground floor and basement in the block-square industrial building at 150 Bay street, Jersey City. The premises will be used as warehouse and distribution station for the New York metropolitan district.

Essential Oils

Aromatic Chemicals

(Continued from page 50)

Cinnamic Aldehyde.—Some business for early delivery was put on the books at full prices last week and it seemed probable that firm undertones would continue to prevail in the future as in the past. Stocks appeared to be ample.

Geraniol.—There appeared to be ample stocks of this article since it is being obtained in large quantities as a by-product of the manufacture of synthetic menthol in this country. The problem of the menthol makers is to find assured outlet for the by-product.

Linalool.—Jobbing interest was noted but the market was less steady than it had been for some time past. Outlook for the new year was somewhat uncertain from the consumption standpoint but most factors expected steady prices to prevail.

Menthol.—Competition in this market was exceptionally keen, especially as between synthetic and natural products. Home manufacture of synthetic has fashioned a niche which is expected to grow in size. Importations of natural menthol for 10 months this year totaled 399,000 pounds, compared with 280,000 pounds in the corresponding period of 1936. Late in the week, natural menthol was reduced to $3.15 to $3.25 per pound, and stock accumulation was having a weakening effect on the market.

Methyl Acetophenone.—Competition was fairly active and some reports of price concessions being granted on business for delivery early next year were noted but on the whole the situation showed little basic change and a firming up of values was looked for.

Musk.—A fair degree of price stability governed the market for artificial material. All requirements of manufacturing consumers have been filled with despatch and no shortage in prompt delivery goods seemed to be forecast. Natural musk held firm with supplies being moderate.

Pelargol.—Curtailment of soap production has been noted but the falling off has been moderate. Movement of this item to the soapers has been conservative of late, yet prices have held firm and in line with the absence of weakness in the cost for replacements.

Phenylacetaldehyde.—Competition was fairly keen and consuming outlets appeared to be carrying a fair reserve of both the imported and domestic product. However, open quotations seemed to be generally steady and no substantial weakness was expected to develop in the nearby future.

Phenylacetic Acid.—The market was quiet. Most manufacturing consumers apparently had a fair inventory of this material and hence their interest in deliveries to be made early in the new year was somewhat routine. Pricewise, the market continued to be generally steady.

Homan D & O Sales Manager

Charles O. Homan became salesmanager for the Dodge & Olcott Company, essential oils and aromatics, this city, on January 1. He has been in the employ of the company for almost thirty years, having acted as mail clerk at the beginning of his employment and rising to salesman, covering first the Detroit territory and, later, New York and Canada. His sales experience covers nineteen years.

Because of Mr. Homan's extensive knowledge of selling merchandise and contacting, and by reason of his very likable personality, his co-workers have pledged 100 percent co-operation to his support.

Tar Freights Raised

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Rutland railroad, on crude coal-tar and oiltar, carload; from Malone to Utica, 19c. per hundredweight; increase 1c. per hundredweight, effective December 20.

The Givaudanian, house publication of Givaudau-Delawanna, Inc., aromatic chemicals, this city, has for its leading article in the December issue a discussion of odor harmony as the keynote in modern perfumery. There are also interesting pieces on Tanning without Greasing, and the Atom Tinkerer Takes the Floor. As a contribution of science, there is presented an improved method for the determination of linalool.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, CRESYLIC—47 dms, 10 tons, 15 cwt, 3 qtrs, 22 lbs, W E Jordan & Bros, Quaker City, Liverpool
HYDROFLUOSILICIC—150 crbys, 24,400 lbs, New York, Hamburg
NAPHTHENIC—123 dms, 62,394 lbs, Shell Union Oil Corp, Exhibitor, Constanza
110 dms, 56,091 lbs, Exhibitor, Constanza
SOYBEAN—60 bbls, Black Condor, Rotterdam
SULPHURIC—3 cs, 15 cwt, 2 qtrs, 24 lbs, American Cyanamid & Chemical Co, Quaker City, Glasgow
ADEPS LANAE—95 bbls, 1 cs, C Tennant Sons & Co, Samaria, Liverpool
ALBUMEN, BLOOD — 21 bbls, Morningstar Nicol, New York, Hamburg
ALUMINUM LEAF—59 cs, Globe Shipping Co, New York, Hamburg
ANTIMONY ORE—902 bgs, Watson, Geach & Co, Santa Barbara, Antofagasta
1,081 bgs, Watson, Geach & Co, Santa Barbara, Mollendo
ARROWROOT—1,803 bgs, Morningstar Nicol, Nerissa, St Vincent
ARTISTS MATERIAL—3 cs, Gallagher & Ascher, Black Condor, Rotterdam
9 cs, Winsor & Newton, American Trader, London
ASBESTOS—40 bgs, Intercontinental Forwarding Co, Exeter, Genoa
ASPHALT—330 bgs, A V Berner & Co, Seatrain Havana, Havana
BALSAM—5 cs, W R Grace & Co, Santa Barbara, Cristobal
BELLADONNA ROOT—13 bls, Knickerbocker Mills Co, Belvedere, Fiume
51 bls, Belvedere, Fiume
BERRIES, MED—38 bgs, J L Hopkins & Co, Scanmail, Gdynia
BRISTLES—7 cs, David Linzer & Sons, Tokai, Dairen
15 cs, Iwai & Co, Tokai, Kobe
100 cs, H Rosenhirsh Co, Tokai, Tientsin
100 cs, N Wagman & Co, Tokai, Tientsin
6 cs, Globe Shipping Co, New York, Hamburg
BRONZE POWDER—4 cs, Heemsoth Kerner Corp, New York, Hamburg
18 cs, G W Sheldon Co, New York, Hamburg
CALCIUM, SILICIDE — 304 bbls, Electro Metallurgical Co, Topdalsfjord, Stavanger
TARTRATE—93 bgs, Exhibitor, Patras
CANARY SEED—150 bgs, Exmoor, Casablanca
CARAWAY SEED—67 bgs, Exmoor, Tunis
CARDAMOM—34 bgs, P H Petry & Co, Platano, Puerto Barrios
9 cs, McKesson & Robbins, Potter, Colombo
CASEIN—102 bgs, American Cyanamid & Chem Co, Aradell, Santiago
CASSIA—200 bls, Van Loan & Co, Jeff Davis, Hongkong
333 bls, Kota Radja, Padang, Hongkong
800 bls, B H Old & Co, Chinese Prince, Hongkong
600 bls, A G Dunn, Chinese Prince, Hongkong
300 bls, B H Old & Co, Chinese Prince, Hongkong
500 bls, R T French Co, Chinese Prince, Hongkong
BARK—20 cs, American Trader, London
FISTULA—80 cs, Kota Radja, Macassar
CASTOR BEANS—9,568 bgs, Baker Castor Oil Co, Helgoland, Buenos Aires
CELLULOSE ACETATE—2 cs, General Dyestuff Corp, New York, Hamburg
CHALK, PRECIP — 150 bgs, 50 bbls, H J Baker & Bros, Samaria, Liverpool
CHAMOIS—1 cs, Florida Sponge & Chamois Co, Berengaria, Southampton
CHAMOMILE FLOWERS — 50 cs, Draeger Shipping Co, Belvedere, Fiume
CHEMICALS—2 bbls, Siegle Co, Manhattan, Hamburg
305 dms, H H Rosenthal Co, Tokai, Osaka
40 cks, Jean Jadot, Antwerp
2,286 dms, National Carloading Corp, Black Condor, Rotterdam
110 cks, Advance Solvents & Chem Co, Topdalsfjord, Heroen
1 cs, Riedel de Haen, New York, Hamburg
40 dms, 25 cks, Jungmann & Co, New York, Hamburg
3 pkgs, Eimer & Amend, New York, Hamburg
12 cks, Wm Neuberg, New York, Hamburg
10 cs, Schimmel & Co, New York, Hamburg
1,016 bgs, Advance Solvents & Chem Co, New York, Hamburg
33 bbls, New York, Hamburg
CHROME ORE—4,400 tons, E J Lavino & Co, City of Batavia, Beira
OXIDE—2 bbls, 233 lbs, Weiss Forwarding Co, New York, Hamburg
COCOA BEANS—17 bgs, Mecke & Co, Tachira, Maracaibo
50 bgs, Machado & Co, Tachira, La Guaira
50 bgs, Curacao Trading Co, Pastores, Cape Haitien
500 bgs, Royal Bank of Canada, Flora, Porto Cabello
144 bgs, W & A Leaman, Luna, Cape Haitien
1,026 bgs, Chiriqui, Cristobal
1,326 bgs, Curacao Trading Co, Coamo, Trujillo
300 bgs, Curacao Trading Co, San Jacinto, Macoris
463 bgs, Curacao Trading Co, San Jacinto, Sanchez
300 bgs, Machado & Co, San Jacinto, Porto Plata
500 bgs, Wessel Kulenkampf & Co, Almena, Trujillo
2,250 bgs, Irving Trust Co, Almena, Sanchez
300 bgs, Curacao Trading Co, Almena, Sanchez
500 bgs, Almena, Sanchez
7 bgs, Curacao Trading Co, Almena, Porto Plata
400 bgs, Royal Bank of Canada, Almena, Porto Plata
RESIDUE—2,942 bgs, H J Baker & Bros, Black Condor, Rotterdam
COCONUT—153 bgs, 15,300 lbs, J Simon & Co, Emilia, Mayaguez
26 bgs, 2,600 lbs, I L Toledano Corp, Emilia, Mayaguez
754 bgs, 75,400 lbs, General Foods Corp, Emilia, San Juan
35 bgs, 3,500 lbs, J Di Cristina, Emilia, San Juan
57 bgs, 5,700 lbs, Universal Import & Export Co, Emilia, San Juan
10 bgs, 1,000 lbs, I L Toledano Corp, Emilia, San Juan
3,543 bgs, 354,300 lbs, General Foods Corp, Pastores, Kingston
COCONUT—200 bgs, 20,000 lbs, I L Toledano Corp, Buenaventura, Cristobal
500 bgs, 50,000 lbs, General Foods Corp, Platano, Porto Castilla
1,400 bgs, 140,000 lbs, Durkee Famous Foods, Nerissa, Trinidad
65 bgs, 6,500 lbs, T Scott & Co, Nerissa, Grenada
663 bgs, 66,300 lbs, Durkee Famous Foods, Nerissa, St Vincent
7 bgs, 700 lbs, Nerissa, St Lucia
COLORS, BRONZE—3 dms, J E Mandlik, New York, Hamburg
CADMIUM—6 bbls, 671 lbs, Weiss Forwarding Co, New York, Hamburg
EARTH—49 cks, Calco Chemical Co, New York, Hamburg
PRINTING—5 cs, J E Mandlik, New York, Hamburg
CORIANDER SEED — 142 bgs, Exhibitor, Bourgas
76 bgs, Fleischman Dist Corp, American Trader, London
CORK—21 cs, Cork Import Corp, Berengaria, Southampton
21 bls, F G Doherty, Berengaria, Southampton
2 bls, National Carloading Corp, Berengaria, Southampton
WOOD—20 bls, Cork Trading Co, Exmoor, Seville
CUTTLEFISH BONES—1,000 cs, Belvedere, Palermo
DEXTRIN—2 bbls, New York, Hamburg
DRAGONS BLOOD—24 cs, Bank of Manhattan, Muncaster Castle, Singapore
10 cs, Bank of Manhattan, Muncaster Castle, Asaban
DRUGS—8 cs, 2,178 lbs, National Carloading Co, New York, Hamburg
DYES, ANILIN—30 pkgs, Ciba Co, Normandie, Havre
73 pkgs, Carbic Color & Chemical Co, Normandie, Havre
2 pkgs, General Dyestuff Corp, New York, Hamburg
10 dms, L & R Organic Product Co, Berengaria, Southampton
20 dms, Geigy Co, Samaria, Liverpool
FENNEL SEED—22 bgs, Flora Medicinal Herb Co, Belvedere, Fiume
25 bls, 4,466 lbs, Peek & Velsor, New York, Hamburg
FERROMANGANESE—121 bbls, Electro Metallurgical Co, Topdalsfjord, Stavanger
FILTER PAPER—4 bls, Exeter, Marseilles
13 cs, New York, Hamburg
FISH BERRIES—15 bgs, 2,266 lbs, Knickerbocker Mills Co, New York, Hamburg
FLAXSEED—6,089,200 kilos, 243,568 bu, Archer Daniels Midland Co, Thode Tagelund, Rosario
1,546,100 kilos, 61,844 bu, Archer Daniels Midland Co, Thode Tagelund, Buenos Aires
4,982 tons, 199,280 bu, L Dreyfus Co, Fjordheim, Santa Fe
836 tons, 33,440 bu, L Dreyfus Co, Fjordheim, Buenos Aires
2,032,000 kilos, 81,280 bu, Archer Daniels Midland Co, Helgoland, Buenos Aires
FLEASEED—100 bgs, 22,000 lbs, S B Penick & Co, Exeter, Marseilles
100 bgs, 22,000 lbs, T M Duche & Sons, Exeter, Marseilles
397 bgs, Skagerak, Bombay
GALANGAL ROOT—30 bls, Chinese Prince, Hongkong
GELATEN, POWDERED—150 bgs, 4 bbls, 1 keg, R D McLellan, Black Condor, Rotterdam
SHEET—4 cs, American Express Co, Black Condor, Rotterdam
GLASS, PLATE—41 cs, Leo Popper & Son, Manhattan, Hamburg
5 cs, Brown Bros Harriman Co, Jean Jadot, Antwerp
47 cs, Globe Shipping Co, New York, Hamburg
WINDOW—72 cs, S A Bendheim Co, Manhattan, Hamburg
1,386 cs, Vitrea Co, Manhattan, Hamburg
500 cs, Jean Jadot, Antwerp
3 cs, Semon Bache & Co, New York, Hamburg
19 cs, W J Byrnes & Co, New York, Hamburg
13 cs, Samaria, Liverpool
8 cs, Globe Shipping Co, Samaria, Liverpool
14 cs, Schrenk & Co, Samaria, Liverpool
GLUE, SHEET—50 bgs, Rex & Reynolds, Exeter, Marseilles
GRAPHITE—250 bgs, Asbury Graphite Mills, Potter, Colombo
500 bgs, C E Pettinos, Potter, Colombo
AMORPHOUS—360 bgs, J F Starkey, Tokai, Moji
GREASE, WOOL—40 bbls, Hummel Chem Co, Consuelo, Hull
GUM, ARABIC—1 bg, S B Penick & Co, Exeter, Haifa
155 bgs, Skagerak, Port Sudan
400 bgs, T M Duche & Sons, Skagerak, Port Sudan
150 bgs, Innis, Speiden & Co, Skagerak, Port Sudan
CHICLE—58 bgs, F Huber & Co, Orizaba, Vera Cruz
1,246 bls, Mexican Exploitation Co, Orizaba, Vera Cruz
COPAL—300 bgs, O G Innes Corp, Jean Jadot, Antwerp
100 bgs, Thurston & Braidich, Jean Jadot, Antwerp
133 bgs, Stroock & Wittenberg, Kota Radja, Macassar
23 bgs, Chase National Bank, Kota Radja, Macassar
62 bgs, Manufacturers Trust Co, Kota Radja, Macassar
57 bskts, France, Campbell & Darling, Kota Radja, Macassar
197 bskts, O G Innes Corp, Kota Radja, Macassar
299 bskts, Kota Radja, Macassar
148 bskts, Kota Radja, Tala
168 bgs, Gillespie-Rogers-Pyatt Co, Kota Radja, Tominebay
230 bskts, Kota Radja, Tominebay
63 bgs, Stroock & Wittenberg, Kota Radja, Kaimana
40 bgs, Chase National Bank, Kota Radja, Kokas
148 bskts, W H Scheel, Kota Radja, Oransbari
54 bskts, W H Scheel, Kota Radja, Bosnik
29 bskts, Kota Radja, Macassar
129 bgs, 229 bskts, O G Innes Corp, Chinese Prince, Macassar
34 bskts, S Winterbourne & Co, Chinese Prince, Macassar
56 bskts, W H Scheel, Chinese Prince, Macassar
180 bskts, France, Campbell & Darling, Chinese Prince, Macassar
GUM, COPAL—130 bskts, Gillespie-Rogers-Pyatt Co, Chinese Prince, Macassar
70 bgs, Gillespie-Rogers-Pyatt Co, Chinese Prince, Singapore
168 bskts, Van Norden & Archibald, Chinese Prince, Macassar
220 bskts, T G Cooper & Co, Chinese Prince, Maccasar
DAMMAR—100 cs, O G Innes Corp, Kota Radja, Padang
100 cs, G W S Patterson & Co, Kota Radja, Batavia
200 cs, Thurston & Braidich, Kota Radja, Batavia
100 cs, Kota Radja, Batavia
100 cs, Gillespie-Rogers-Pyatt Co, Kota Radja, Batavia
400 cs, Thurston & Braidich, Muncaster Castle, Batavia
100 cs, W H Scheel, Muncaster Castle, Batavia
50 cs, W H Scheel, Muncaster Castle, Singapore
210 bgs, G W S Patterson & Co, Muncaster Castle, Singapore
210 bgs, Manufacturers Trust Co, Muncaster Castle, Singapore
210 bgs, Chase National Bank, Muncaster Castle, Singapore
43 bgs, Stroock & Wittenberg, Chinese Prince, Macassar
211 bgs, Gillespie-Rogers-Pyatt Co, Chinese Prince, Macassar
200 cs, G W S Patterson & Co, Chinese Prince, Batavia
400 cs, O G Innes Corp, Chinese Prince, Batavia
100 cs, Stroock & Wittenberg, Chinese Prince, Batavia
70 bgs, 210 bgs, France, Campbell & Darling, Chinese Prince, Singapore
50 bgs, O G Innes Corp, Chinese Prince, Singapore
210 bgs, Gillespie-Rogers-Pyatt Co, Chinese Prince, Singapore
50 cs, 840 bgs, G W S Patterson & Co, Chinese Prince, Singapore
DAMMAR—50 cs, Chinese Prince, Singapore
140 bgs, Steel Voyager, Singapore
LOCUST BEAN—35 bgs, Innis, Speiden & Co, Exeter, Genoa
80 bgs, Exeter, Genoa
SANDARAC—8 bbls, France, Campbell & Darling, Exmoor, Casablanca
8 bbls, Exmoor, Casablanca
GYPSUM—6,000 tons, U S Gypsum Co, Gypsum Queen, Windsor
5,990 tons, U S Gypsum Co, Gypsum Empress, Windsor
300 bgs, Hammell ⅞ Gillespie, Samaria, Liverpool
HENNA LEAVES—42 bgs, 11,000 lbs, Exeter, Alexandria
115 bgs, 11,000 lbs, J L Hopkins & Co, Potter, Port Said
HOPS—20 bls, Globe Shipping Co, Manhattan, Hamburg
16 bls, Heemsoth Kerner Corp, Manhattan, Hamburg
6 bls, Atlantic Forwarding Co, New York, Hamburg
20 bls, J D Smith Co, New York, Hamburg
100 bls, R F Downing & Co, New York, Hamburg
5 bls, American Express Co, New York, Hamburg
ILMENITE SAND—Quantity, Skagerak, Colachel
INK, PRINTING—12 cks, New York, Hamburg
IPECAC ROOT—2 bgs, C L Huisking & Co, Emilia, San Juan
IRISH MOSS—10 bgs, Normandie, Havre
JALAP ROOT—39 bls, Orizaba, Vera Cruz
JOB TEARS—7 bgs, Chiriqui, Kingston
JUNIPER BERRIES—1 bg, Flora Medicinal Herb Co, Belvedere, Fiume
100 bgs, American Trader, London
LEATHER WASTE—441 bgs, Quaker City, Manchester
LEAVES, MEDICINAL—20 bls, 2,200 lbs, L A Champon, Exeter, Marseilles
LOCUST BEAN—10 bgs, National Bank of Greece, Exhibitor, Piraeus
LUPULIN—4 cs, A Gusmer, Manhattan, Hamberg
MACE—19 cs, Durkee Famous Foods, Black Condor, Rotterdam
5 cs, Nerissa, Grenada
15 cs, L Curtin Co, Muncaster Castle, Padang
32 cs, J F Frank, Muncaster Castle, Padang
67 cs, Chinese Prince, Singapore
MALLOW LEAVES—1 bg, Flora Medicinal Herb Co, Belvedere, Fiume
MANGANESE CARBONATE—20 cks, 2,376 lbs, New York, Hamburg
MANGROVE BARK EXTRACT—1,500 bgs, Chinese Prince, Singapore
1,500 bgs, Steel Voyager, Singapore
MANNA—25 cs, Exmoor, Palermo
MEDICINAL PREPS—9 cs, Italian Drug Import Co, Exeter, Genoa
7 cs, J Personeni, Exeter, Genoa
7 cs, E Fougera & Co, Normandie, Havre
3 cs, Burroughs, Wellcome & Co, American Trader, London
MENTHOL—100 cs, McKesson & Robbins, Tokai, Kobe
9 cs, New York Quinine & Chemical Works, American Trader, London
MICA—6 cs, American Trader, London
BLOCKS—93 cs, Potter, Calcutta
DISCS—4 cs, Potter, Calcutta
FILM—13 cs, O Schoonmaker Insulation Co, Potter, Calcutta
SPLITTINGS—23 cs, General Electric Co, Potter, Calcutta
200 cs, O Schoonmaker Insulation Co, Potter, Calcutta
617 cs, Philadelphia National Bank, Potter, Calcutta
26 cs, Potter, Calcutta
WASTE—2,370 bgs, Potter, Calcutta
MOLASSES—500,000 kilos, W R Grace & Co, Santa Barbara, Supe
MUSTARD SEED—200 bgs, C Guiden, Black Condor, Rotterdam
48 bgs, New York, Hamburg
250 bgs, R F Downing & Co, American Trader, London
475 bgs, C Guiden, Exmoor, Palermo
MYROBALANS—19,150 pockets, Hammond & Carpenter, Potter, Calcutta
800 bgs, Guaranty Trust Co, Skagerak, Bombay
NAPHTHALENE—1,270 bgs, White Tar Co, Argosy, Gdynia
493 bgs, F B Bertrand, Quaker City, Manchester
2,250 bgs, S M Schwarzschild, Black Condor, Rotterdam
513 bgs, Calco Chem Co, Black Condor, Rotterdam
500 bgs, Robert Joseph, Black Condor, Rotterdam
NETTLE LEAVES—1 bg, Flora Medicinal Herb Co, Belvedere, Fiume
NUTGALLS—187 bls, Chinese Prince, Hongkong
NUTMEGS—150 bgs, Royal Bank of Canada, Nerissa, Grenada
150 bgs, Nerissa, Grenada
80 bgs, Bank of Manhattan, Kota Radja, Padang
51 bgs, Catz American Co, Chinese Prince, Semarang
OCHER—133 bgs, 6,699 lbs, Reichard, Coulston, Exeter, Marseilles
OIL, ALMOND—10 cs, 2,508 lbs, Fritzsche Bros, Exeter, Marseilles
4 cs, 541 lbs, Tombarel Prod Corp, Exeter, Marseilles
12 cs, Ungerer & Co, American Trader, London
BAY—7 cs, Barclay Bank, Nerissa, Dominica
17 cs, Nerissa, Dominica
10 cs, Shaganol, Inc., San Jacinto, Ponce
12 cs, R Fabien & Co, San Jacinto, Ponce
BERGAMOT—20 cs, Belvedere, Messina
CANANGA—2 dms, Kota Radja, Batavia
CASHEW—354 bbls, 44 tons, General Foods Corp, Potter, Madras
670 dms, General Foods Corp, Skagerak, Bombay
CASSIA—10 dms, Ungerer & Co, Jeff Davis, Hongkong
10 dms, Norda Essential Oil & Chem Co, Jeff Davis, Hongkong
CITRONELLA—8 dms, Kota Radja, Batavia
4 dms, Catz American Co, Chinese Prince, Batavia
10 dms, R C Treatt & Co, American Trader, London
COCONUT—15 cs, Chiriqui, Kingston
473 tons, Bankers Trust Co, Chinese Prince, Manila
397 tons, Philippine Refining Corp, Chinese Prince, Cebu
COD—150 cks, Balfour, Guthrie & Co, Manhattan, Hamburg
100 cks, Bowring & Co, Belle Isle, St Johns
CODLIVER—100 dms, United States Line, Manhattan, Hamburg
100 dms, P R Dreyer, Topdalsfjord, Aalesund
25 cs, C L Huisking & Co, Topdalsfjord, Aalesund
150 dms, 50 cks, Gunning & Gunning, Topdalsjord, Bergen
500 dms, R J Prentiss & Co, Topsdalsfjord, Bergen
672 dms, Norwegian American Line, Topdalsfjord, Bergen
1,457 dms, Brown Bros, Harriman Co, Consuelo, Hull
605 dms, McKesson & Robbins, Consuelo, Hull
CORIANDER—2 cs, American Trader, London
CORN—119,586 kilos, Corn Product Refining Co, Black Condor, Antwerp
76,177 kilos, Corn Product Refining Co, Black Condor, Rotterdam
DILL—3 cns, 385 lbs, New York, Hamburg
ESSENTIAL—6 cs, Manhattan, Hamburg
9 cs, Normandie, Havre
FUEL—65,000 bbls, Standard Oil Co of N J, Paul H Harwood, Aruba
3,451,496 gls, Standard Oil Co of N J, Baltic, Porto Mexico
110,000 bbls, Standard Oil Co of N J, Standard, Aruba
80,000 bbls, Standard Oil Co of N J, Kaldfonn, Aruba
95,000 bbls, Standard Oil Co of N J, Esso Bolivar, Aruba
LAVENDER — 5 cs, Tombarel Prod Corp, Exeter, Marseilles
1 kg, Exeter, Marseilles
LEMON—8 cs, Wells Fargo Co Express, Orizaba, Vera Cruz
14 cs, Exmoor, Palermo
LEMONGRASS — 4 dms, Volkart Bros, Prometheus, Cochin
10 dms, Prometheus, Cochin
LIME—9 cs, Middleton & Co, Nerissa, Dominica
LUBRICATING—25 dms, Shell Union Oil Corp, New York, Hamburg
MINERAL—65 dms, New York, Hamburg
10 dms, Heemsoth, Kerner Corp, New York, Hamburg
22 bbls, Schenker & Co, New York, Hamburg
20 cs, Meadows, Wye & Co, American Trader, London
OLIVE—125 dms, Smith, Weihman Co, Exeter, Piraeus
50 dms, Banco Credit Hellenic, Exeter, Piraeus
19 cs, 2 bbls, Exeter, Naples
2,505 cs, Exeter, Leghorn
1,000 cs, Exeter, Genoa
66 cs, Exeter, Marseilles
100 dms, Marine Midland Trust Co, Exeter, Marseilles
50 dms, R U Delapana, Exeter, Marseilles
15 dms, National City Bank, Exeter, Marseilles
325 cs, 10 bbls, Exhibitor, Catania
75 cs, 13 cks, Belvedere, Palermo
200 dms, Guaranty Trust Co, Exmoor, Tunis
25 dms, V Cory, Exmoor, Tunis
25 dms, Venice Import Co, Exmoor, Tunis
25 dms, D A Sciafani, Exmoor, Tunis
15 dms, Economu Ritsos, Exmoor, Tunis
170 cs, 53 cks, Exmoor, Palermo
60 cs, Exmoor, Seville
35 cs, Berengaria, Southampton
ORANGE—10 cs, Lo Curto & Funk, Pastores, Kingston
PALM—2,633 tons, Kota Radja, Belawan Deli
664,200 kilos, Muncaster Castle, Belawan Deli
484 tons, Prometheus, Belawan Deli
PALMAROSA—1 pot, Volkart Bros, Skagerak, Bombay
PALMKERNEL—131 bbls, E F Jones Chemical Co, Consuelo, Hull
PATCHOULI—2 dms, G Uhe & Co, Prometheus, Batavia
ROSEMARY—2 dms, Bertrand Freres, Exmoor, Tunis
OPIUM—1 cs, Merck & Co, Berengaria, Southampton
ORANGE PEEL—15 cs, American Trader, London
ORRISROOT—4 cs, American Trader, London
PARAFFIN—12,400 bgs, Asiatic Petroleum Corp, Kota Radja, Balik Papan
PATCHOULI LEAVES—74 bls, Volkart Bros, Chinese Prince, Penang
PEATMOSS—850 bls, Halfmoon Mfg & Trading Co, Black Condor, Rotterdam
400 bls, New Amsterdam Import & Supply Co, Black Condor, Rotterdam
1,300 bls, Premier Peatmoss Corp, Topdalsfjord, Malmo
200 bls, New Amsterdam Import & Supply Co, Topdalsfjord, Oslo
1,700 bls, New York, Hamburg
PEPPER, BLACK—258 bgs, Catz American Co, Chinese Prince, Batavia
1,634 bgs, Catz American Co, Chinese Prince, Telok Betong
WHITE—162 bgs, Irving Trust Co, Kota Radja, Tandjong Priok

PEPPER, WHITE—258 bgs, Catz American Co, Kota Radja, Kota Baroe
813 bgs, Kota Radja, Tandjong Priok
283 bgs, Muncaster Castle, Batavia
81 bgs, Irving Trust Co, Muncaster Castle, Batavia
168 bgs, Chinese Prince, Pangkal Pinang
PETROLEUM, CRUDE—110,956 bbls, Gulf Oil Corp, Gulfwing, Las Piedras
11,903 tons, Standard Oil Co of N J, Leda, Guiria
3,988,950 gls, Standard Oil of N J, Basika, Giuria
65,007 bbls, Cities Service Asphalt Prod Co, Cymbeline, Las Piedras
PITCH, STEARIN—54 bbls, J J Garvin, Scanmail, Copenhagen
345 dms, A V Berner & Co, Consuelo, Hull
POPPYSEED—100 bgs, 11,000 lbs, Basic Material, Ltd, Scanmail, Gdynia
100 bgs, 11,000 lbs, C M Van Sillevoldt, Scanmail, Gdynia
800 bgs, 88,000 lbs, Levy & Levis Co, Scanmail, Gdynia
400 bgs, 44,000 lbs, M Witsenburg, Scanmail, Gdynia
100 bgs, 11,000 lbs, J Loewith, Scanmail, Gdynia
150 bgs, C M Van Sillevoldt, Scanpenn, Gdynia
250 bgs, Hewett & Sherman, Scanpenn, Gdynia
POTASH, CARBONATE—10 cks, 4,730 lbs, T C Wygandt, New York, Hamburg
CHLORATE, CRYSTAL—50 dms, 11,957 lbs, Uniform Chem Prod Co, New York, Hamburg
CHLORATE, POWD—2,000 dms, 378,280 lbs, Uniform Chem Prod Co, New York, Hamburg
PERMANGANATE—100 dms, 12,034 lbs, New York, Hamburg
PYRETHRUM FLOWERS—375 bls, McKesson & Robbins, Tokai, Kobe
PYRITES—5,801,090 kilos, Pyrites Co, Baron Stranraer, Huelva
QUINCE SEED—29 bgs, 4,444 lbs, J Pollack, Exeter, Alexandretta
RAPESEED—296 bgs, Skagerak, Karachi
ROSIN—4 cs, 308 lbs, National Carloading Co, New York, Hamburg
ROOT, MEDICINAL—215 bls, Exeter, Marseilles
ROSIN—1 ck, Beck, Coller & Co, Skagerak, Karachi
SAGO FLOUR—737 bgs, Stein, Hall & Co, Muncaster Castle, Singapore
1,600 bgs, Muncaster Castle, Singapore
4,321 bgs, Stein, Hall & Co, Steel Voyager, Singapore
SESAME SEED—307 bgs, Skagerak, Bombay
SHELLAC—35 cs, 12 bgs, A Hurst & Co, Black Condor, Rotterdam
100 bgs, Bank of London, South America, Potter, Calcutta
200 bgs, 150 cs, Guaranty Trust Co, Potter, Calcutta
60 bgs, A Hurst & Co, New York, Hamburg
BUTTON LAC—50 bgs, Guaranty Trust Co, Potter, Calcutta
SEEDLAC—600 bgs, Guaranty Trust Co, Potter, Calcutta
500 bgs, Bank of London, South America, Potter, Calcutta
SILICON CARBIDE—880 bgs, D C Andrews & Co, Topdalsfjord, Eydehavn
1,600 bgs, Carborundum Co, Topdalsfjord, Eydehavn
SLOE BERRIES—63 bls, Belvedere, Fiume
SOAP—16 cs, Atlantic Freighting Corp, Exeter, Haifa
28 cs, J Baides, Exeter, Piraeus
1,510 cs, Conti Product Corp, Exeter, Leghorn
21 cs, Titan Shipping Co, American Trader, London
BASE—4 cs, American Trader, London
TOILET—12 cs, R H Macy & Co, American Trader, London
50 cs, Gimbel Bros, Samaria, Liverpool
SODA HYDROSULPHITE—100 dms, 23,760 lbs, New York, Hamburg
25 kegs, Philipp Bros, Samaria, Liverpool
SOLVENTS—300 dms, P R Alcohol Co, Emilia, San Juan
STEATITE—8 bbls, Caldwell & Co, Exeter, Leghorn
SULPHUR PRECIP—5 kegs, Samaria, Liverpool
TANKAGE—544 bgs, Helgoland, Buenos Aires
TAPIOCA, FLAKE—780 bgs, Stein, Hall & Co, Prometheus, Sourabaya
FLOUR—1,000 bgs, Kota Radja, Tandjong Priok
5,906 bgs, Stein, Hall & Co, Kota Radja, Sourabaya
250 bgs, American Cyanamid & Chem Co, Kota Radja, Cheribon
250 bgs, Central Hanover Bank Trust Co, Kota Radja, Batavia
3,450 bgs, H P Winter & Co, Kota Radja, Batavia
552 bgs, Chase Natl Bank, Muncaster Castle, Pasoeroean
2,300 bgs, Stein, Hall & Co, Muncaster Castle, Cheribon
500 bgs, Chase Natl Bank, Muncaster Castle, Cheribon
100 bgs, Java American Export Co, Muncaster Castle, Batavia
500 bgs, National Adhesive Corp, Muncaster Castle, Batavia
1,000 bgs, Sino Java Hvg, Muncaster Castle, Tjilatjap
500 bgs, Sino Java Hvg, Muncaster Castle, Batavia
827 bgs, National Adhesive Corp, Chinese Prince, Pasoeroean
276 bgs, Seligman & Co, Chinese Prince, Pasoeroean
647 bgs, Stein, Hall & Co, Chinese Prince, Cheribon
781 bgs, Chinese Prince, Batavia
1,250 bgs, Stein, Hall & Co, Chinese Prince, Batavia
1,000 bgs, Philadelphia Natl Bank, Chinese Prince, Cheribon
1,499 bgs, Stein, Hall & Co, Prometheus, Sourabaya
1,831 bgs, H P Winter & Co, Prometheus, Cheribon
549 bgs, American Cyanamid & Chem Co, Prometheus, Cheribon
250 bgs, American Cyanamid & Chem Co, Prometheus, Batavia
10,017 bgs, Corn Prod Refg Co, Almena, Porto Plata

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TARTAR—252 bgs, W R Grace & Co, Santa Barbara, San Antonio
225 bgs, Standard Brands, Inc, Exmoor, Oran
209 bgs, Charles Pfizer & Co, Exmoor, Oran
320 bgs, Charles Pfizer & Co, Exmoor, Messina
TOILET PREPS—3 cs, Jean Jordeau, Skagerak, Bombay
TOLU BALSAM—25 cs, Wessel, Duval & Co, Chiriqui, Porto Colombia
TUBA ROOT—1 bg, Steel Voyager, Singapore
UMBER, BURNT—80 cks, Chase National Bank, Exeter, Alexandria
18 cks, Stanley Doggett, Exeter, Alexandria
40 cks, National Safety Bank Trust Co, Exeter, Alexandria
URANIUM OXIDE—80 dms, Central Trading Corp, Jean Jadot, Antwerp
VALONIA—379 bgs, Exhibitor, Izmir
WAX, BEES—60 bgs, McMiller Candle Co, Exeter, Alexandria
7 bgs, Orizaba, Vera Cruz
2 bgs, Machado & Co, San Jacinto, Porto Plata
37 seroons, Almena, Porto Plata
24 pkgs, Porcella, Vicini & Co, Oriente, Havana
CERESIN—4 cs, Concentrate Mfg Co, Manhattan, Havre
MONTAN—375 bgs, Strohmeyer & Arpe Co, New York, Hamburg
OZOKERITE—20 bgs, R M Dick, New York, Hamburg
50 bgs, Strahl & Pitsch, New York, Hamburg
REFINED—84 bgs, Standard Oil Co of N J, Kota Radja, Tandjong Priok
WHITING—2,000 bgs, Jean Jadot, Antwerp
100 bgs, Colgate-Palmolive-Peet Co, Consuelo, Hull
WOLFRAM ORE—649 bgs, W R Grace & Co, Santa Barbara, Mollendo
500 bgs, Chinese Prince, Hongkong
WOODFLOUR—80 bgs, Burnet Co, Topdolsfjord, Fr Stad
YEAST—17 crtns, Fagan Yeast Corp, Belle Isle, Halifax
160 bbls, Vulkan Yeast Co, New York, Hamburg
200 dms, New York, Hamburg
ZINC OXIDE—30 bbls, 8,052 lbs, American Cyanamid & Chem Co, Exeter, Marseilles

New York Transit Imports

BLUE ULTRAMARINE — 146 cks, Standard Ultramarine Co, Consuelo, Hull, Huntington
FLAXSEED — 5,780 tons, Bunge North American Grain Co, Hektor, Santa Fe, Albany
SPONGES — 26 bls, Orizaba, Havana, Bremen
25 bls, Orizaba, Havana, Paris

Baltimore Imports

CHROME ORE—4,997 tons, E J Lavino Co, Robin Adair, Lourenco Marques
1,972 tons, E J Lavino Co, Chincha, Beira
1,421 tons, Chincha, Lourenco Marques
IRON ORE—21,200 tons, Bethlehem Steel Co, Bethore, Cruz Grande
12,000 tons, Bethlehem Steel Co, Cubore, Daiquiri
7,144 tons, Leo J Buck, Oxelosund, Lulea
11,200 tons, Bethlehem Steel Co, Santore, Cruz Grande
KYANITE ORE—163 tons, Mahseer, Calcutta
MANGANESE ORE—1,800 tons, Robin Adair, Durban
1,300 tons, City of Sydney, Calcutta
OIL, FUEL—63,728 bbls, Standard Oil Co, N J, Canadolite, Aruba
83,700 bbls, Standard Oil Co, N J, Phoebus, Aruba
POTASH, MURIATE—5,075 tons, N V Potash Export Ny, Ingerfire, Leningrad
SARDINE MEAL—2,000 bgs, Kirishima, Kobe
SILLIMANITE ROCK—187 tons, City of Sydney, Calcutta
TALC—480 bgs, Komaki, Kobe

Boston Imports

ALBUMEN, BLOOD—10 bbls, 2,491 lbs, Irving M Sobin Co, Bochum, Hamburg
BONEMEAL—438 bgs, 44,127 lbs, Ashcraft, Wilkinson Co, Bochum, Hamburg
BONES—558 bgs, 60,664 lbs, Culberson, Buenos Aires
CASSIA—200 bls, 23,380 lbs, Arthur G Dunn, Chinese Prince, Hongkong
CHEMICALS—20 cks, 12,434 lbs, First National Bank, Bochum, Hamburg
200 bgs, 25 cks, 55,997 lbs, Bochum, Hamburg
50 bgs, First National Bank, Beemsterdijk, Rotterdam
COCOA BEANS—250 bgs, 33,069 lbs, Daarnhouwer & Co, Culberson, Bahia
500 bgs, 66,138 lbs, Wessel, Kulenkampf & Co, Culberson, Bahia
COLLODIUM—11 cs, 2,292 lbs, American Express Co, Bochum, Hamburg
ETHYLENE, TRICHLOR—25 dms, Mitsui & Co, Arimasan, Yokohama
FERTILIZER—295 bgs, 65,036 lbs, Bochum, Hamburg
GLUESTOCK, FISH—167 pkgs, J R Poole Co, Evangeline, Yarmouth
10 bxs, J A Rich Co, Evangeline, Yarmouth
MAGNESITE—200 bgs, Beemsterdijk, Rotterdam
MILK POWDER—11 bbls, Beemsterdijk, Rotterdam
MOSS, FRENCH—50 bls, Beemsterdijk, Rotterdam
NAPHTHALENE—1,000 bgs, Beemsterdijk, Rotterdam
NUTGALLS—374 bgs, 45,852 lbs, Chinese Prince, Hongkong
OIL, COCONUT—500 tons, Philippine Refining Corp, Chinese Prince, Cebu
CODLIVER—29 dms, 11,710 lbs, Bochum, Hamburg
FISHLIVER—51 dms, Atlantic Coast Fisheries Export Corp, Komaki, Yokohama
FUEL—37,000 bbls, 1,554,000 gls, Colonial Beacon Oil Co, Scottish Minstrel, Aruba
25,000 lbs, 1,050,000 gls, Colonial Beacon Oil Co, George H Jones, Aruba
MINERAL—25 dms, 11,658 lbs, Bochum, Hamburg
PALM—606 tons, Van Leeuwen Boomkamp & Co, Chinese Prince, Belawan Deli
PEATMOSS—800 bls, 120,768 lbs, Bochum, Hamburg
300 bls, 40,829 lbs, Atkins & Durbrow, Bochum, Hamburg
500 bls, 77,775 lbs, L E Page, Bochum, Hamburg
1,407 bls, ntfy, Premier Peat Moss Corp, Beemsterdijk, Rotterdam
PETROLEUM, CRUDE—22,214 bbls, 3,343 tons, Colonial Beacon Oil Co, Scottish Minstrel, Las Piedras
43,131 bbls, 6,478 tons, Colonial Beacon Oil Co, George H Jones, Las Piedras
POTASH, MURIATE—4,000 bgs 402,736 lbs, N V Potash Export Mij, Bochum, Hamburg
2,263,950 lbs, N V Potash Export Mij, Bochum, Hamburg
SULPHATE—7,100 bgs, 142,228 lbs, N V Potash Export Mij, Bochum, Hamburg
QUEBRACHO EXTRACT—1,608 bgs, 172,564 lbs, Tannin Corp, Culberson, Buenos Aires
13,130 bgs 1,428,613 lbs, American Tanners, Culberson, Buenos Aires
2,650 bgs, 286,150 lbs, International Products Corp, Culberson, Buenos Aires
STARCH, CHEMICALLY TREATED—250 bgs, Beemsterdijk, Rotterdam
TAPIOCA FLOUR—1,915 bgs, National City Bank, Kota Radja, Sourabaya
535 bgs, Balfour, Guthrie & Co, Kota Radja, Pamanoekan
434 bgs, Stein, Hall & Co, Chinese Prince, Cheribon
550 bgs, Stein, Hall & Co, Chinese Prince, Batavia
750 bgs, Guaranty Trust Co, Prometheus, Sourabaya
WAX, VEGETABLE—75 cs, Mitsui & Co, Arimasan, Kobe

Boston Transit Imports

IRON, SILICATE—2 dms, 3 cwt, 3 qr, 12 lbs, Hobart Bros, Samaria, Liverpool, for Dayton, Ohio

Houston Imports

ACID, CRESYLIC—5 dms, Leto, Antwerp
BLEACHING POWDER—50 cs, Leto, Antwerp
POTASH—158 kilos, Leto, Antwerp
MURIATE—1,031 kilos, Leto, Antwerp
MANURE, SALT—68 kilos, Leto, Antwerp
SULPHATE—100 bgs, Leto, Antwerp

Los Angeles Imports

ALCOHOL — 60,000 lbs, Bengkalis, Manila
AMMONIA PHOSPHATE — 80,640 lbs, Texada, Trail
SULPHATE — 60,480 lbs, Texada, Trail
BABASSU KERNELS — 1,343,950 lbs, Leikanger, Maranhao
CALCIUM, NITRATE — 8,534,360 lbs, Benj Franklin, Oslo
SILICIDE — 15,680 lbs, Benj Franklin, Oslo
CHEMICAL COMPOUND — 1,600 lbs, Tokai, Yokohama
1,800 lbs, Naruto, Yokohama
PHOTO — 4,000 lbs, Elbe, Berlin
SALT — 1,010 lbs, Tokai, Tokyo
CHILLIES, UNGRD—10,000 lbs, Koryu, Kobe
COCONUTS — 45,000 lbs, Peter Kerr, Colon
COCONUT DESIC — 87,420 lbs, Tai Yin, Manila
8,300 lbs, Corneville, Cebu
166,320 lbs, Corneville, Phil Isl
COPRA — 280,000 lbs, Corneville, Phil Isl
1,120,000 lbs, Salawati, Phil Isl
MEAL — 1,796,000 lbs, Salawati, Manila
200,000 lbs, Bengkalis, Manila
DEXTRIN—5,460 lbs, Lochgoil, Rotterdam
FERROMANGANESE—69,880 lbs, Benj Franklin, Oslo
FISH LIVERS — 6,000 lbs, Tatsuta, Yokohama
GUM, DAMMAR—6,200 lbs, Salawati, Batavia
HAIR DYE—40 lbs, Koryu, Kobe
LEAD NITRATE—4,140 lbs, Lochgoil, Hamburg
MEDICINAL PREPS—190 lbs, Koryu, Kobe
MUSTARD SEED — 32,700 lbs, Brimanger, Haarlem
OIL, COCONUT — 1,122,400 lbs, Silvermaple, Manila
CODLIVER—20,000 lbs, Benjamin Franklin, Oslo
LUBRICATING—80 dms, 36,860 lbs, Lochgoil, London
OLIVE—10,720 lbs, President Garfield, Leghorn
6,460 lbs, President Garfield, Genoa
PEANUT — 1,440 lbs, President Coolidge, Hongkong
PEPILLA—40,000 lbs, Koryu, Kobe
SPERM—78,740 lbs, Lochgoil, Rotterdam
PAPRIKA—2,710 lbs, Elbe, Budapest
PEATMOSS—392,000 lbs, Benjamin Franklin, Malmo
120,960 lbs, Delftdijk, Kalmar, Holland
80,640 lbs, Europa, Malmo
POTASH PRUSSIATE—2,200 lbs, Lochgoil, Rotterdam
SAGO FLOUR—7,000 lbs, Silvermaple, Singapore
SEAWEEDS—250 lbs, Tatsuta, Yokohama
500 lbs, Koryu, Tokio
SESAME SEED—250 lbs, Tatsuta, Yokohama
SHELLAC—39,500 lbs, Silvermaple, Calcutta
SEEDLAC—16,400 lbs, Silvermaple, Calcutta
SOAP, SOFT—4,740 lbs, Benjamin Franklin, Oslo
WAX, CARNAUBA—(Correction) 15,520 bgs, should have read 89 pkgs. 15,520 lbs, West Ivis, Fortaleza
ZINC CHLORIDE—11,580 lbs, Lochgoil, Hamburg

Mobile Imports

MANGANESE ORE—6,600 tons, Frank Seamans, Santiago
POTASH, MANURE SALT—3 lots, Crefeld, Hamburg

New Orleans Imports

BAUXITE ORE—2,540 tons, Republic Mining & Mfg Co, Vestvangen, Paramaribo
CHEMICALS—72 csks, Advance Solvents & Chemical Co, Crefeld, Hamburg
15 csks, Royal Bank of Canada, Crefeld, Bremen
COCOA BEANS—1,000 sks, Fruit Dispatch Co, Santa Marta, Almirante
COCONUTS—500 sks, Standard Fruit & S S Co, Contessa, Ceiba
100 sks, J Meyer, Gansfjord, Belize
201 sks, L Hayward, Gansfjord, Belize
100 sks, F Beyer, Gansfjord, Belize
150 sks, J Chalona, Gansfjord, Belize
150 sks, Benham Inc, Gansfjord, Belize
GUM, CHICLE—61 bls, M Bromberg, Gansfjord, Belize
10 bls, Chicle Development Co, Gansfjord, Belize
378 bls, Wm Wrigley, Jr, Gansfjord, Puerto Barrios
MOLASSES—1,499,851 gls, Commercial Molasses Corp, Mendocino, Antilla
498,810 gls, Commercial Molasses Corp, Mondocino, Matanzas
1,351,492 gls, Cuba Distilling Co, Cassimir, Manati
794,370 gls, Commercial Molasses Corp, Castana, Vita
635,189 gls, Commercial Molasses Corp, Castana, Caibarien
OIL, COCONUT—1,156 tons, Munn & Jenkings, Tsuyama, Manila
CODLIVER—42 dms, Crefeld, Hamburg
PALM—536 tons Van Leewan Boomkamp, Modjokerto, Belawan Deli
1,022 tons, Modjokerto, Belawan Deli
1,140 tons, Van Leewan Boomkamp Co, Tanimbar, Belawan Deli
PAPRIKA—25 sks, Crefeld, Hamburg
PEATMOSS—275 bls, Peat Import Corp, Crefeld, Bremen
PEPPER, BLACK—477 sks, Modjokerto, Oosthaven
POTASH SULPHATE—1,100 sks, N V Potash, Crefeld, Hamburg
PYRETHRUM FLOWERS—250 bls, Norton Lilly & Co, Vestvangen, Port of Spain
125 bls, Guaranty Trust Co, Tsuyama, Otaru
SAGO FLOUR—440 sks, Chase National Bank, Modjokerto, Singapore
TALC—620 sks, Bingham & Co, Tsuyama, Kobe
TAPIOCA FLOUR—273 sks, National City Bank of New York, Modjokerto, Sourabaya
250 sks, Modjokerto, Batavia
1,100 sks, Modjokerto, Cheribon
621 sks, National City Bank, Tanimbar, Sourabaya

Norfolk Imports

ALUMINUM SILICATE ORE — 201 tons, 5 cwt, Matra, Calcutta
COCOA BEAN RESIDUE—3,328 bgs, 170 tons, 2 cwt, 1 qtr, 4 lbs, City of Flint, Avonmouth
KIESERITE — 3,660 bgs, 368 tons, City of Havre, Hamburg
LEATHER WASTE — 267 bgs, 42,252 lbs, City of Flint, Avonmouth
OIL, CODLIVER — 140 dms, 14 tons, C & O Railway Co, City of Havre, Hamburg (for Newport News)
PEATMOSS—1,160 bls, 75 tons, City of Havre, Hamburg
1,000 bls, 66 tons, City of Havre, Hamburg (for Newport News)
SOAP, COMMON — 5 cs, F Gaskell & Co, City of Havre, Hamburg
TANNING EXTRACT POWD—25 tons, City of Flint, Avonmouth

Philadelphia Imports

ACID, CRESYLIC—75 dms, Manchester Division, Manchester
31 dms, Quaker City, Liverpool
16 dms, John H Faunce, Quaker City, Glasgow
BONE MEAL—2,206 bgs, Livenza, Trieste
CALCIUM NITRATE—1,029,700 kilos, Synthetic Nitrogen Products Corp, Topeka, Heroen
CHROME ORE—2,000 tons, E J Lavino & Co, Italian Prince, Beira
1,000 tons, U S Vanadium Corp, Arimasan, Manila
CLAY—60 bgs, J L Vandiver, Gloucester City, Bristol
133 tons, United Clay Mines Corp, Gloucester City, Bristol
120 tons, Hammil & Gillespie, Gloucester City, Bristol
COALTAR DISTILLATE—12 dms, Monsanto Chemical Co, Quaker City, Liverpool
CUMIN SEED—99 bgs, Italia S A di Navigazone, Livenza, Trieste
FERTILIZER—3,200 bgs, Manchester Division, Manchester
KYANITE ORE—52 tons, 13 cwt, Mahseer, Calcutta
MAGNESITE CLINKERS—1,500 bgs, Volkart Bros, Nagara, Dairen
MOLASSES—1,349,686 gls, Catahoula, Nuevitas
MUSTARD SEED—1 bg, American Express Co, Quaker City, Liverpool
MYROBALANS—5,000 pkts, Mahseer, Calcutta
NAPHTHALENE—68 bgs, John H Faunce, Quaker City, Liverpool
348 bgs, John H Faunce, Quaker City, Manchester
OIL, LUBRICATING, SOLID—10 cs, N H Hill & Co, Quaker City, Glasgow
PETROLEUM — 66,850 bbls, Gulf Oil Corp, Senator, Las Piedras
103,106 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
POPPYSEED—200 bgs, R T French Co, Scanmail, Gdynia
PYRITES ORE—7,754 bgs, Kalypso Vergotti, Huelva
SHELLAC—200 bgs, Bank of London & South America, Mahseer, Calcutta
50 bgs, Mahseer, Calcutta
GARNET—225 bgs, Bank of London & South America, Mahseer, Calcutta
STRONTIUM—50 tons, Gloucester City, Bristol
WATER, MINERAL—163 cs, John Wagner & Sons, Quaker City, Liverpool
WOODFLOUR—3,000 bgs, B L Soberski, Topeka, Heroen

Portland, Ore., Imports

BONE MEAL—654 sks, Cellina, Trieste
CHEMICALS—27 dms, Advance Solvents & Chemical Corpn, Delftdijk, Rotterdam
QUEBRACHO EXTRACT—200 sks, International Products Corpn, West Ivis, Buenos Aires
WAX, CARNAUBA—7 sks, West Ivis, Bahia

San Francisco Imports

ACID, CRESYLIC—13 dms, San Antonio, Newcastle
AGAR AGAR—12 pkgs, Pacific Trading Co, Koryu, Yokohama
ALCOHOL, ETHYL—100 dms, Maunalei, Honolulu (for Alameda)
BABASSU NUTS—3,332 sks, American Trust Co, Leikanger, Maranhao
BONES—9,434 sks, Leikanger, Buenos Aires
CHEMICALS—5 dms, Royal Bank of Canada, Elbe, Hamburg
CHILLIES—50 sks, S L Jones & Co, Koryu, Kobe
CINNAMON—50 bls, Bengkalis, Colombo
COCOA BEANS—300 sks, Leikanger, Port of Spain
COPRA—50 tons, El Dorado Oil Works, Llandaff, Iloilo
2,161 tons, El Dorado Oil Works, Llandaff, Tacloban
1,295 tons, El Dorado Oil Works, Llandaff, Borongan
1,744 tons, El Dorado Oil Works, Llandaff, Mesbate
937 tons, El Dorado Oil Works, Llandaff, Legaspi
960 tons, El Dorado Oil Works, Admiral Halstead, Cebu (for Oakland)
420 tons, Explotadora de Aceites Vegetables, S A, Admiral Halstead, Cebu
2,555 sks, R J Roesling & Co, Bengkalis, Halmaheira
800 tons, Durkee Famous Foods, Bengkalis, Cebu
MEAL—1,000 sks, Balfour, Guthrie & Co, Ltd, Bengkalis, Manila
GINGER ROOT—53 cs, Maunawili, Hilo
10 cs, Fujimoto Co, Koryu, Yokohama
GLASS, WINDOW—1 cs, Europa, Copenhagen
GUM COPAL—70 sks, Stroock & Wittenberg Corp, Bengkalis, Singapore
125 bskts, Bengkalis, Macassar
135 bskts, Anglo-California National Bank, Bengkalis, Macassar
DAMMAR—100 sks, Bengkalis, Batavia
LINSEED MEAL—1,000 sks, Balfour, Guthrie & Co, Koryu, Kobe
500 sks, Mitsubishi Shoji Kaisha, Tatsuta, Kobe
MEDICINAL PREPS—2 cs, S Ishimitsu Co, Tatsuta, Kobe
MENTHOL—50 cs, Brown & Williamson Tobacco Co, Tatsuta, Kobe
MOLASSES—2,000,000 lbs, Maliko, Port Allen
505 tons, Mana, Hilo
1,020 tons, Maunawili, Honolulu
2,000,000 lbs, Maunalei, Honolulu
NUTMEGS—88 sks, Fred Catz & Co, Bengkalis, Banda
OIL, PERILLA—20 dms, Mitsubishi Shoji Kaisha, Koryu, Kobe
RAPESEED, REFD—211,693 lbs, Mitsubishi Shoji Kaisha, Koryu, Kobe
VEGETABLE—10 cs, K Sakai Co, Koryu, Yokohama
PAPRIKA—50 sks, McClintock-Stern Co, Elbe, Hamburg
300 sks, S H Tyler & Son, Elbe, Hamburg

PEATMOSS—500 bls, East Asiatic Co, Europa, Copenhagen (for Oakland)
1,000 bls, East Asiatic Co, Europa, Copenhagen
1,482 bls, Wilson & George Meyer & Co, Europa, Copenhagen
PEPPER—287 sks, Bengkalis, Pangkal Pinang
BLACK—330 sks, Bengkalis, Oosthaven
PETROLEUM REFD—75 dms, A Grove Knutsen, Europa, Copenhagen
POTASH CHLORATE — 250 dms, Uniform Chemical Products, Elbe, Hamburg (for Oakland)
MURIATE—10,000 sks, Wilson & George Meyer & Co, Elbe, Hamburg
SAGO FLOUR—100 sks, H M Newhall & Co, Bengkalis, Singapore
SILVERSAND—1,050 tons, Balfour, Guthrie & Co, San Antonio, Antwerp (for Oakland)
SODA CHLORATE — 4,176 dms, Chipman Chemical Co, Elbe, Hamburg
TAPIOCA FLOUR—50 sks, Bank of California, N A, Bengkalis, Batavia
946 sks, Guaranty Trust Co of N Y, Bengkalis, Batavia (for Oakland)
PEARL—100 sks, Bank of California, N A, Bengkalis, Batavia
136 sks, Bengkalis, Batavia
SEED—53 sks, Bank of California, N A, Bengkalis, Cheribon
298 sks, American Trust Co, Bengkalis, Sourabaya
221 sks, Bettat Import-Export Co, Bengkalis, Sourabaya
SIFTINGS—55 sks, Bank of California, N A, Bengkalis, Batavia
UREA—1,000 sks, Wilson & George Meyer & Co, Elbe, Antwerp (for Oakland)
WAX, SKI—2 bbls, Hannes Schroll, Trondanger, Rotterdam

Savannah Imports

CALCIUM NITRATE — 7,500 bgs, Tara, Heroen
CHEMICALS — 25 bbls, Braheholm, Gefle and Gothenburg
POTASH — Quantity, Kelkheim, Bremen
MANURE SALT — Quantity, Kelkheim, Bremen
MURIATE — 500 bgs, Kelkheim, Bremen
SULPHATE — 8,000 bgs, Kelkheim, Bremen

Seattle Imports

ACID, OXALIC — 31 csks, Balfour, Guthrie & Co, Delftdijk, Rotterdam
BONE MEAL — 654 sks, Cellina, Trieste
SIENNA — 5 csks, Cellina, Leghorn
TANKAGE — 1,000 sks, Wm J Horstmann, West Ivis, Buenos Aires
DRY, RENDERED — 1,016 sks, Chase National Bank, West Ivis, Buenos Aires
UNGROUND — 10,000 sks, West Ivis, Santos

Tampa Imports

CHEMICALS — 800 bgs, Winnipeg, Antwerp
COCONUTS — 77,600, Montagua, Bonacca
POTASH, KAINIT — Quantity, Winnipeg, Antwerp
MURIATE — 2 prcls, Winnipeg, Antwerp
TOILET PREPS — 1 ctn, Cuba, Havana

Exports from U.S. Ports

New York Exports

Clearance Dates

Alex Van Opstal, December 10; Astri, December 10; Atenas, December 3; Bergensfjord, November 23; Black Osprey, November 8; Borinquen, December 9; Buenaventura, December 7; Calamares, November 13; Cameronia, December 9; Clan Macbrayne, December 9; Constance Chandler, November 27; Cypria, December 9; Fernbrook, November 19; Foylebank, December 7; Gerolstein, December 4; Gloucester City, November 8; Gunvor, December 3; Hamburg, December 8; Heimgar, December 4; Hokkai, December 9; Huntingdon, December 11; Jan, November 20; Karmoy, November 29; Korsholm, December 10; Macabi, November 29; Orizaba, December 10; Platano, November 26; Ponce, December 4; Quirigua, November 10; Santa Lucia, December 3; Santa Paula, December 3; Skramstad, December 2; Towerfield, December 11; Turksu, December 3; Volendam, December 10; Yucatan, November 10

ACID, CITRIC—1,204 lbs, Santa Paula, Cartagena
LACTIC—2,456 lbs, Heimgar, Buenos Aires
MURIATIC—13,875 lbs, Platano, Porto Barrios; 985 lbs, Atenas, Puntarenas; (Ponce) 30,632 lbs, Ponce; 950 lbs, Arecibo
STEARIC—888 lbs, Platano, Porto Barrios; 1,212 lbs, Quirigua, Havana
SULPHURIC—15,185 lbs, Buenaventura, Cristobal; 15,262 lbs, Clan Macbrayne, East London
ALCOHOL—3,245 gls, Independence Hall, Havre
BUTYL—11,858 lbs, Independence Hall, Havre
ALUMINA SULPHATE—40,400 lbs, Santa Paula, Cartagena
ASPHALT—10,736 lbs, Borinquen, Trujillo; 21,930 lbs, Hamburg, Hamburg; 18,582 lbs, Quirigua, Havana; 41,645 lbs, Ponce, Ponce; 10,773 lbs, Astri, Santos; 182,196 lbs, Clan Macbrayne, Lourenco Marques; 11,349 lbs, Cameronia, Glasgow; 19,630 lbs, Volendam, Rotterdam
SOLID—121,462 lbs, Cypria, Saigon
BLUE, ULTRAMARINE — 1,106 lbs, Atenas, Panama City
VITRIOL — 59,499 lbs, Cypria, Marseilles
VITRIOL CRYST — 13,875 lbs, Platano, Porto Cortes
BROMINE, LIQ — 51,935 lbs, Turksu, Leningrad
BUTYL ACETATE — 49,682 lbs, Independence Hall, Havre
CALCIUM, CHLORIDE — (Korsholm) 1,425,450 lbs, Stockholm; 254,492 lbs, Malmo
CHLORIDE, FLAKE — 21,450 lbs, Santa Paula, Cartagena
CHEMICALS — 14,267 lbs, Black Osprey, Rotterdam; 25,800 lbs, Independence Hall, Havre; 13,616 lbs, Volendam, Rotterdam
CHLORINE—2,111 lbs, Buenaventura, Cartagena
COALTAR INTERMEDIATES — 3,470 lbs, Black Osprey, Rotterdam; 2,893 lbs, Turksu, Leningrad
COLOR, DRY —7,700 lbs, Foylebank, Manila
CORNFLOUR—200 lbs, Platano, Porto Barrios; 500 lbs, Calamares, Corinto
SUGAR—2,525 lbs, Ponce, Ponce
SYRUP — 1,561 lbs, Calamares, Kingston; 150,136 lbs, Cameronia, Glasgow
DEXTRIN — 1,551 lbs, Fernbrook, Capetown
CORN — 5,922 lbs, Huntingdon, Sydney
DIMETHYLANILIN — 2,685 lbs, Gerolstein, Antwerp
DINITROTOLUOL — 1,388 lbs, Foylebank, Manila
DISINFECTANT—21,704 lbs, Heimgar, Buenos Aires
DYES—1,094 lbs, Black Osprey, Rotterdam
ANILIN — 6,096 lbs, Hamburg, Hamburg
FERTILIZER — (Constance Chandler) 812,790 lbs, Honolulu; 203,200 lbs, Hilo; 1,117,600 lbs, Kahului; 406,400 lbs, Port Allen
FORMALDEHYDE — 3,138 lbs, Gunvor, Barbados
GASOLINE—(Clan Macbrayne)—250 gls, Fort Dauphin; 250 gls, Manakara; 400 gls, Mananzary; 250 gls, Tamatave
AVIATION — (Hokkai) 82,500 gls, Kure; 137,500 gls, Sasebo; 55,000 gls, Tokuyama
GLASS, PLATE—(Atenas) 5,320 lbs, Buenaventura; 640 lbs, Panama City
WINDOW—822 lbs, Atenas, Panama City; 6,737 lbs, Quirigua, Havana
GLUCOSE—1,243 lbs, Astri, Santos
GLUE, VEG—808 lbs, Platano, Porto Cortes
GLYCERIN—4,760 lbs, Calamares, Guayaquil
SAPONIFICATION—52,591 lbs, Alex Van Opstal, Antwerp
GRAPHITE—4,887 lbs, Hamburg, Hamburg
GREASE, ANIMAL—44,514 lbs, Volendam, Rotterdam
LUBRICATING — 2,320 lbs, Buenaventura, Amapala; 4,423 lbs, Calamares, Guayaquil; (Skramstad) 60,011 lbs, Lisbon; 17,097 lbs, Genoa; 31,764 lbs, Heimgar, Buenos Aires; (Hokkai) 33,283 lbs, Osaka; 15,618 lbs, Moji; (Hamburg) 2,725 lbs, Prague; 132,015 lbs, Hamburg; 11,552 lbs, Switzerland; 23,589 lbs, Gnvor, Barbados; 26,578 lbs, Quirigua, Havana; (Cypria) 7,880 lbs, Lobito; 23,577 lbs, Saigon; 1,284 lbs, Astri, Buenos Aires; 31,148 lbs, Gerolstein, Switzerland; (Clan Macbrayne) 3,154 lbs, Lourenco Marques; 1,848 lbs,
GREASE, LUBRICATING (Continued):—
Tamatave; 88,517 lbs, Foylebank, Hongkong; 16,726 lbs, Independence Hall, Havre; 18,192 lbs, Orizaba, Vera Cruz; 106,752 lbs, Cameronia, Glasgow (Bergensfjord) 304 lbs, Trondhjem; 1,680 lbs, Bergen; 5,831 lbs, Oslo; (Huntingdon) 44,813 lbs, Brisbane; 14,182 lbs, Sydney; 26,635 lbs, Melbourne; 4,840 lbs, Adelaide
IRON OXIDE—4,552 lbs, Hokkai, Yokohama
LACQUER, PASTE—606 lbs, Independence Hall, Havre
LARD—25,676 lbs, Borinquen, San Juan; 12,325 lbs, Macabi, Banes; 320,259 ls, Hamburg, Hamburg; 65,000 lbs, Quirigua, Havana; (Ponce) 12,000 lbs, Ponce; 7,900 lbs, Jobos; 3,150 lbs, Cypria, Casablanca; 8,987 lbs, Gerolstein, Antwerp; (Gloucester City) 215,800 lbs, Bristol; 29,250 lbs, Cameronia, Glasgow; 45,497 lbs, Volendam, Rotterdam
LEAD, RED—2,125 lbs, Macabi, Banes
LINSEED CAKE—1,579,062 lbs, Black Osprey, Antwerp; 2,700,281 lbs, Alex Van Opstal, Antwerp; 798,473 lbs, Independence Hall, Havre
MEAL—(Gunvor) 386,587 lbs, Barbados; 260,664 lbs, Trinidad; 12,951 lbs, Demerara
MOLYBDENUM CONCE—946,474 lbs, Turksu, Leningrad
NAPHTHA—(Cypria) 500 gls, Loanda; 300 gls, Mossamedes; (Clan Macbrayne) 17,000 gls, Fort Dauphin; 35,000 gls, Manakara; 40,000 gls, Mananzary; 197,325 gls, Tamatave
OIL, CASTOR—2,010 lbs, Borinquen, San Juan
CASTOR, SULPHONATED—1,443 lbs, Calamares, Porto Colombia
COCONUT—9,768 lbs, Quirigua, Havana
CORN—(Clan Macbrayne) 750 lbs, Capetown; 1,501 lbs, Port Elizabeth; 904 lbs, Lourenco Marques; 1,510 lbs, Beira
EDIBLE—(Calamares) 939 lbs, Puntarenas; 6,832 lbs, Corinto; 3,353 lbs, San Juan del Sur; 5,067 lbs, Buenaventura; 1,000 lbs, Atenas, Puntarenas; 3,659 lbs, Platano, Porto Barrios
GAS—55,000 gls, Hokkai, Yokohama
LUBRICATING — 1,100 gls, Buenaventura, Amapala; 1,265 gls, Macabi, Banes; (Skramstad) 6,706 gls, Lisbon; 31,332 gls, Genoa; 2,365 gls, Hokkai, Kobe; (Hamburg) 130,078 gls, Hamburg; 2,100 gls, Prague; 1,650 gls, Riga; (Santa Paula) 3,575 gls, Cartagena; 3,425 gls, Porto Colombia; (Karmoy) 5,445 gls, Porto Cabello; 4,180 gls, Maracaibo; (Gunvor) 1,050 gls, Martinique; 2,200 gls, Barbados; 6,050 gls, Quirigua, Havana; (Cypria) 1,700 gls, Lisbon; 825 gls, Lobito; 3,355 gls, Casablanca; 1,100 gls, Marseilles; 16,065 gls, Saigon; 3,025 gls, Haiphong; (Astri) 3,000 gls, Rio Janeiro; 2,000 gls, Montevideo; 825 gls, Gerolstein, Switzerland; (Santa Lucia) 2,310 gls, Mollendo; 25,045 gls, Valparaiso; (Alex Van Opstal) 3,740 gls, Switzerland; 2,550 gls, Antwerp; (Clan MacBrayne) 2,210 gls, Lourenco Marques; 2,690 gls, Fort Dauphin; 7,605 gls, Manakara; 2,930 gls, Mananzary; 22,850 gls, Tamatave; (Foylebank) 25,265 gls, Hongkong; 16,000 gls, Shanghai; (Independence Hall) 23,102 gls, Havre; 24,173 gls, Dunkirk; 4,180 gls, Towerfield, Corner Brook; 2,355 gls, Orizaba, Vera Cruz; 1,477 gls, Gloucester City, Cardiff; 27,644 gls, Cameronia, Glasgow; (Bergensfjord) 4,570 gls, Trondhjem; 18,052 gls, Bergen; 16,662 gls, Oslo; (Volendam) 22,775 gls, Rotterdam; 8,195 gls, Amsterdam; (Huntingdon) 103,545 gls, Brisbane; 103,779 gls, Sydney; 550 gls, Newcastle; 241,595 gls, Melbourne; 25,050 gls, Adelaide
NEATSFOOT—28,047 lbs, Hamburg, Hamburg; 478 lbs, Volendam, Rotterdam
OLEO—11,615 lbs, Black Osprey, Rotterdam; 40,935 lbs, Cameronia, Glasgow
ORANGE—1,675 lbs, Korsholm, Stockholm
PEPPERMINT—1,600 lbs, Hamburg, Hamburg
PINE—3,777 lbs, Bergensfjord, Trondhjem
RED—2,707 lbs, Alex Van Opstal, Antwerp
VALVE—1,375 gls, Orizaba, Vera Cruz
WORMSEED—1,565 lbs, Volendam, Rotterdam
OILCAKE—451,013 lbs, Alex Van Opstal, Antwerp
PAINT—2,074 lbs, Borinquen, San Juan; (Buenaventura) 5,472 lbs, Corinto; 5,630 lbs, Cristobal; 17,992 lbs, Platano, Porto Barrios; (Atenas) 1,161 lbs, Panama City; 3,071 lbs, Arica; 2,413 lbs, Macabi, Banes; 1,005 lbs, Skramstad, Lisbon; 45,219 lbs, Heimgar, Buenos Aires; 2,592 lbs, Quirigua, Havana; 8,818 lbs, Ponce, Mayaguez; 747 lbs, Astri, Santos; 5,764 lbs, Alex Van Opstal, Antwerp; 1,605 lbs, Bergensfjord, Oslo; 6,402 lbs, Korsholm, Stockholm
THINNER—2,200 gls, Gerolstein, Antwerp
PARAFFIN—36,680 lbs, Buenaventura, Panama City; 44,400 lbs, Calamares, Porto Colombia; (Platano) 20,201 lbs, Retalheu; 5,562 lbs, Porto Barrios; 66,689 lbs, Atenas, Port Limon; 3,487 lbs, Skramstad, Lisbon; 556,110 lbs, Hamburg, Hamburg; (Santa Paula) 126,472 lbs, Cartagena; 44,840 lbs, La Libertad; 32,848 lbs, Santa Lucia, Guayaquil; 2,815 lbs, Independence Hall, Havre; 50,892 lbs, Orizaba, Vera Cruz; 10,226 lbs, Gloucester City, Bristol; 71,722 lbs, Cameronia, Glasgow
SCALE — 2,220 lbs, Quirigua, Havana; 304,282 lbs, Gloucester City, Bristol; 115,840 lbs, Fernbrook, Capetown; 7,786 lbs, Volendam, Amsterdam
PETROLEUM, REFD—(Ponce) 20,000 gls, San Juan; 7,000 gls, Ponce; 6,000 gls, Mayaguez; 2,000 gls, Aguadilla; (Clan Macbrayne) 3,000 gls, Fort Dauphin; 17,500 gls, Manakara; 2,500 gls, Mananzary; 86,000 gls, Tamatave
POTASH, CHLORATE — 2,400 lbs, Platano, Porto Cortes
ROSIN—3,132 lbs, Black Osprey, Rotterdam
SILICA — 20,400 lbs, Atenas, Callao
SILICATE—784 lbs, Independence Hall, Havre
SOAP — (Ponce) 5,600 lbs, Ponce; 5,490 lbs, Mayaguez; 11,200 lbs, Arecibo
LAUNDRY — 88,814 lbs, Cypria, Marseilles
SODA ASH — 454,720 lbs, Hokkai, Osaka; 32,600 lbs, Quirigua, Havana; (Huntingdon) 27,114 lbs, Brisbane; 30,300 lbs, Sydney
BICARBONATE — 3,100 lbs, Calamares, Guayaquil; 45,115 lbs, Orizaba, Vera Cruz
CAUSTIC — 140,116 lbs, Yucatan, Vera Cruz; (Calamares) 38,260 lbs, Cartagena; 8,580 lbs, Guayaquil; 92,603 lbs, Hokkai, Dairen; 45,670 lbs, Ponce, Gu.nica; 113,988 lbs, Astri, Rio de Janeiro; 85,465 lbs, Foylebank, Hongkong; 240,106 lbs, Orizaba, Vera Cruz; 14,120 lbs, Huntingdon, Brisbane
PHOSPHATE, TRI — 67,215 lbs, Gloucester City, Bristol
SILICATE — 5,895 lbs, Borinquen, San Juan
SOYBEAN MEAL — 338,520 lbs, Bergensfjord, Bergen
STARCH, CORN — (Ponce) 3,538 lbs, San Juan; 48,110 lbs, Ponce; 14,150 lbs, Mayaguez; 1,921 lbs, Foylebank, Hongkong; 2,200 lbs, Jan, Cienfuegos
SULPHUR — 112,115 lbs, Fernbrook, Capetown
TALC — 56,000 lbs, Cameronia, Glasgow
TANNING EXTRACT — 10,215 lbs, Clan Macbrayne, Mossel Bay; 7,221 lbs, Independence Hall, Dunkirk
ZINC, OXIDE — 1,312 lbs, Heimgar, Buenos Aires; 3,575 lbs, Independence Hall, Havre

Baltimore Exports

Clearance Dates

Asbjorn, December 16; Collamer, December 15; Irene, December 17; Exminster, December 17; Manchester Exporter, December 15; Maine, December 17; Mule, December 18

ACID, CHROMIC—11,200 lbs, Manchester Exporter, Manchester
ASPHALT, SOLID—23,969 lbs, Exminster, Salonica
GREASE, LUBRICATING—1,408 lbs, Osbjorn, Montevideo; (Irene) 5,819 lbs, Maracaibo; 3,680 lbs, Caracas; 1,000 lbs, Cucuta; 8,994 lbs, Puerto Cabello
INSECTICIDE—114 lbs, Maine, Panama
LIME, HYDRATED—12,000 lbs, Maine, Panama
OIL, ENGINE—154 bbls, Collamer, Havre; 7,900 gals, Manchester Exporter, Manchester
LUBRICATING—17 bbls, Collamer, Havre; 310 gals, Irene, Caracas
PAINT—79 gals, Irene, Puerto Barco
POLISH, METAL—964 lbs, Irene, Curacao
SODA, BICHROMATE—13,030 lbs, Collamer, Bordeaux
SOYBEAN MEAL—225,680 lbs, Manchester Exporter, Liverpool

Beaumont Exports

Clearance Dates

C I P, December 14; Hameln, December 9
OIL, LUBRICATING — 4,200 dms, Hameln, Bremen-Hamburg
PETROLEUM, CRUDE—70,000 bbls, C I P, Havre

Boston Exports

Clearance Dates

Black Eagle, December 18; Evangeline, December 15, 18; Laconia, December 19; Lady Drake, December 18; Nagara, December 21; Taybank, December 20

ASBESTOS FIBRE—3,199 bgs, Nagara, Kobe
BLUE, LAUNDRY—1 cs, 60 lbs, Evangeline, Halifax
BORAX—3 sks, 300 lbs, Evangeline, Charlottetown
COALTAR INTERMEDIATES—15 bbls, 3,068 lbs, Black Eagle, Basle
COCOA CAKE—1,060 bgs, 166,695 lbs, Black Eagle, Amsterdam
FLUX—1 dm, 700 lbs, Black Eagle, Antwerp
GREASE, LUBRICATING—3 bbls, 1,420 lbs, Laconia, Liverpool
INK, PRINTING—1 cs, 105 lbs, Laconia, Manchester
LACQUER—1 bx, 24 dms, 1,249 gls, Black Eagle, Wilitz
LINING COMP—13 dms, 5,540 lbs, Black Eagle, Antwerp
MEDICINAL PREPS—4 cs, 104 lbs, Laconia, Liverpool
OIL, LUBRICATING—10 bbls, 1 dm, 50 gls, Evangeline, St John, N B; 50 dms, 1 cs, 2,686 gls, Laconia, Liverpool; 5 bbls, 289 gls, Black Eagle, Antwerp
PASTE, ADHES—5 dms, 215 lbs, Black Eagle, Antwerp
POLISH, SHOE—16 cs, 1,360 lbs, Laconia, Leicester
SIZING, LEATHER—1 bx, 10 gls, Black Eagle, Antwerp
SOAP—1 bdl, 31 lbs, Lady Drake, Barbados; 10 cs, 618 lbs, Taybank, Manila
FLAKE—20 cs, 668 lbs, Taybank, Manila
TAR—1,400 cs, 46,250 lbs, Taybank, Manila
TOILET—4,000 cs, 111,250 lbs, Taybank, Manila
SODA PHOSPHATE—3 kegs, 300 lbs, Evangeline, St John, N B
SILICO ALUMINATE—1 dm, 60 lbs, Evangeline, Halifax

Galveston Exports

Clearance Dates

Charles L D, December 20; Clara, December 15; Idarwald, December 20; Margaret Lykes, December 17; Montiore, December 20; Sapinero, December 21; Sydfold, December 20; Tampa, December 20; Wasgenwald, December 16

BLACK, CARBON—40 cs, Clara, Trieste; Wasgenwald) 224 bgs, Bremen; 10 cs, Hamburg
COTTONSEED MEAL — 2 tons, Margaret Lykes, Havana; 375 tons, Tampa, Oslo

Calling Honolulu

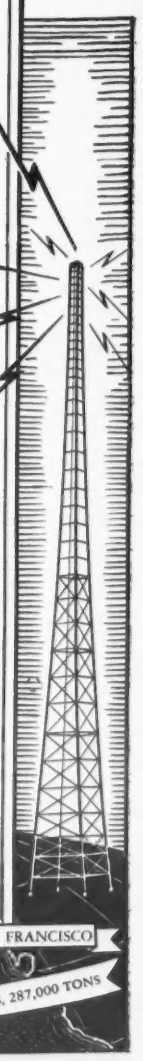
AHLRX RHBAC EIXSM MORUT
SDXVD DLADC

Such brief messages—in American Trust Company's Three-Letter Telegraphic Code*—travel daily back and forth across the Pacific, between this bank and its Honolulu correspondents. *The above radiogram, for example, carries a sixty-word order for Hawaiian pineapple.* Another, equally brief, from the Islands, may convey complete shipping and financing instructions for 1,000 barrels of California cement. In either case, the shipper whose transaction goes through this bank *enjoys two advantages.* First, a saving on radio or cable tolls. Second, and far more important, the services of a Foreign Department with years of specialized experience with Pacific trade.

*WRITE FOR BOOKLET about this code which saves customers up to 50% on cable or radio tolls.

AMERICAN TRUST COMPANY
HEAD OFFICE: SAN FRANCISCO
Banking Since 1854

MEMBER F. D. I. C. RESOURCES OVER $275,000,000


HAWAII
SAN FRANCISCO
SUGAR, 600,000 TONS • PINEAPPLE, 240,000 TONS
FOODS, 104,000 TONS • BUILDING MATERIALS, 66,000 TONS • PETROLEUM PRODUCTS, 287,000 TONS

SULPHUR — 150 tons, Tampa, Gdynia; 3,000 tons, Idarwald, Harburg; 3,450 tons, Sydfold, St John, N B; 8,150 tons, Charles L D, Newcastle, N S; 3,500 tons, Monfiore, Marseilles; 500 tons, Sapinero, Liverpool

Houston Exports
Clearance Dates

American Press, December 15; Duivendrecht, December 18; Gorm, December 17; Hoxbar, December 17; Kexholm, December 15; Oiltrader, December 18; Prycon, December 16; Superga, December 21; Tampa, December 18; Tampico, December 21; Tana, December 21; Taurus, December 18; Valldemosa, December 5; Vendemiare, December 20

ASPHALT — 2 dms, Taurus, Gothenburg
BLACK, CARBON — (American Press) 378 cs, 4,928 bgs, Havre; 115 cs, 1,792 bgs, Antwerp; 150 bgs, 120 cs, Rotterdam; (Kexholm) 5 cs, Oslo; 50 cs, Gothenburg; 15 tons, Gorm, Copenhagen; (Tampa) 53 cs, Gothenburg; 201 cs, Gdynia; 2,240 bgs, Taurus, Gdynia
COTTONSEED MEAL — 254 sx, Tampa, Oslo
GASOLINE — 11,000 tons, Valldemosa, Coryton-River Thames (Duivendrecht) 4,000 tons, Preston; 4,700 tons, a port in United Kingdom
GRAPEFRUIT JUICE — 250 bbls, Tana, Liverpool
LUBRICANTS — 175 pkgs, Taurus, Oslo
OIL, FUEL — 65,000 bbls, Hoxbar, Guantanamo Bay
GAS—500 tons, Kexholm, Malmo; 8,800 tons, Oiltrader, Curacao; 8,000 tons, Superga, port in Holland
PETROLEUM, CRUDE — 13,000 tons, Procyon, Dunkirk; 3,500 tons, Tampico, Antwerp
GASOLINE—13,000 tons, Vendemiare, Havre

Los Angeles Exports
Clearance Dates

Albertolite, December 11; Anna Maersk, December 2; Bengalen, November 29; Coya, December 6; Damsterdijk, December 4; Fresno Star, December 3; Fujisan, December 18; Gracia, December 13; Granville, December 6; Guadeloupe, December 13; Hindanger, December 7; Hoyanger, December 14; J A Moffett, December 17; Kyokuto, December 15; La Placentia, December 10; Lauritz Swenson, December 6; Manju, December 14; Nordstjernan, December 4; Portland, December 6; President Hoover, November 17; Silverteak, December 6; Steel Worker, December 4; Velma, December 16; Villanger, December 4; Vinni, December 6; W S Miller, December 15; West Ira, December 6; West Nilus, December 7

ACID, BENZOIC—100 lbs, President Hoover, Hongkong
BORIC—60 bgs, 6,720 lbs, Bengalen, Calcutta; 60 bgs, 6,720 lbs, Lauritz Swenson, London; (President Hoover) 100 kegs, 11,200 lbs, Hongkong; 315 pkgs, 44,680 lbs, Shanghai; 1,000 bgs, 112,000 lbs, Fresno Star, Liverpool
ALCOHOL, BUTYL—3,670 lbs, West Ira, Buenos Aires
DENATURED—16,200 lbs, Anna Maersk, Hongkong
ISOPROPYL, ANHYDR—7,320 lbs, West Ira, Buenos Aires
ASPHALT—55 bgs, 12,040 lbs, Anna Maersk, Yokohama
BLACK, LAMP—1,000 lbs, Kingsley, Victoria
BORATE—(Laurits Swenson) 3,635 bgs, 623,570 lbs, Liverpool; 480 bgs, 54,850 lbs, Liverpool; 14,299 bgs, 1,925,300 lbs, London; 2,950 bgs, 497,990 lbs, Guadeloupe, Dunkirk
BORAX—(Koryu), 1,269 sks, 139,910 lbs, Yokohama; 2,357 sks, 259,860 lbs, Osaka; (Bengalen) 100 bgs, 1,040 pkgs, 127,680 lbs, Calcutta; 100 kegs, 11,200 lbs, Rangoon; (Nordstjernan) 394 bgs, 44,130 lbs, Gothenburg; 99 bgs, 11,090 lbs, Malmo; 960 bgs, 134,400 lbs, Laurits Swenson, Liverpool; (President Hoover) 771 bgs, 86,350 lbs, Yokohama; 107 bgs, 11,980 lbs, Hongkong; 14 bgs, 1,600 lbs, Shanghai; (Fresno Star) 5,880 bgs, 683,200 lbs, Liverpool; 5,000 bgs, 560,000 lbs, London; 690 bgs, 772,800 lbs, Villanger, Rotterdam; 5,000 bgs, 560,000 lbs, Portland, Hamburg; 985 bgs, 110,320 lbs, Damsterdijk, Rotterdam; 858 bgs, 12,012 lbs, West Nilus, Sao Paulo
BUTYL ACETATE — 3,660 lbs, West Ira, Buenos Aires
CLAY, FILTER—44 sks, 2,200 lbs, Coya, Mexico
GROUND—50 bgs, 5,600 lbs, West Ira, Buenos Aires
CLEANER—1,750 lbs, President Hoover, Hongkong
COTTON LINTERS—75 bls, 37,500 lbs, Kingsley, Vancouver
ETHYL LACTATE—420 lbs, Anna Maersk, Hongkong
FILM, SCRAP—4,500 lbs, Villanger, Antwerp; (Portland) 36,180 lbs, Antwerp; 5,110 lbs, Hamburg
GASOLINE—73,074 bbls, 19,072,310 lbs, W S Miller, Vladivostok; (Coya) 10 dms, 3,130 lbs, Amapala; 400 dms, 131,810 lbs, Managua
GREASE—10 pls, 250 lbs, Bengalen, Singapore
HERBS—1,210 lbs, Steel Worker, London
INFUSORIAL EARTH — 652 bgs, 67,200 lbs, Bengalen, Calcutta; 1,216 pkgs, 119,030 lbs, Nordstjernan, London; (Laurits Swenson) 681 bgs, 68,320 lbs, Oslo; 110 bgs, 10,880 lbs, Bergen; 1,276 bgs, 123,680 lbs, Liverpool; 22 bgs, 2,230 lbs, Fredrickstad; 1,831 bgs, 193,010 lbs, West Ira, Buenos Aires; 24 bgs, 2,240 lbs, Villanger, Antwerp; 23 bgs, 2,240 lbs, Fresno Star, Newcastle; 80 bgs, 4,480 lbs, Hindanger, Havre; 196 bgs, 20,090 lbs, Damsterdijk, London
KEROSENE — (West Nilus) 900 cs, 76,500 lbs, San Juan; 100 cs, 8,500 lbs, Ponce; 6,000 cs, 510,000 lbs, Silverteak, Manila
KETONE — 5,020 lbs, Nordstjernan, Helsingfors
LACQUER — 4,420 lbs, West Ira, Buenos Aires; 470 lbs, President Hoover, Bangkok; 13,720 lbs, Hoyanger, Buenos Aires
THINNER — 2,130 lbs, West Ira, Buenos Aires; (President Hoover) 90 lbs, Bangkok; 90 lbs, Cavite
LITHOPONE — 2,000 lbs, President Hoover, Hongkong
METHANOL — 540 lbs, Anna Maersk, Hongkong
METHYL ETHYL KETONE — 5,670 lbs, West Ira, Buenos Aires
MINERAL SPTS — 50 dms, 18,400 lbs, West Ira, Buenos Aires
OIL, CASTOR, BLOWN — 2,000 lbs, Anna Maersk, Hongkong
DIESEL — 18,090 bbls, 5,831,280 lbs, Manju, Osaka-Moji; 9,939 bbls, 3,140,970 lbs, Koryu, Yokohama-Osaka; 2,007 bbls, 626,180 lbs, Granville, Singapore; 15,464 bbls, 4,824,770 lbs, La Placentia, Vancouver; 3,031 bbls, 945,070 lbs, J A Moffett, La

OIL, DIESEL (Continued):—
Union; 30 dms, 11,860 lbs, Coya, Tegucigalpa
FUEL — 13,325 bbls, 4,437,230 lbs, Manju, Osaka-Moji; 10,044 bbls, 3,344,650 lbs, La Placentia, Vancouver; (J A Moffett) 24,469 bbls, 8,148,180 lbs, San Jose; 24,123 bbls, 8,032,960 lbs, La Union; 7,621 bbls, 2,537,790 lbs, Kingsley, Vancouver; (Velma) 1,008 bbls, 335,660 lbs, Antofagasta; 52,974 bbls, 17,640,340 lbs, Tocopilla
GAS — (Bengalen) 2,168 bbls, 949,190 lbs, Manila; 2,047 bbls, 799,390 lbs, Cebu
LEMON—(President Hoover) 250 lbs, Tokyo; 600 lbs, Yokohama; 1,500 lbs, Steel Worker, London
LUBRICATING — 137 cs, 13,700 lbs, Bengalen, Kuala Lumpur; (Bengalen) 228 cs, 58 bbls, 29,400 lbs, Penang; 200 cs, 265 bbls, 71,290 lbs, Singapore; 10 bbls, 5,040 lbs, Batavia; (Coya) 5 dms, 2,330 lbs, Tegucigalpa; 12 dms, 5,820 lbs, Toncontin; 4 dms, 1,940 lbs, Puntarenas
ORANGE, DIST — 650 lbs, President Hoover, Tokyo
SALAD—42,030 lbs, President Hoover, Manila
PAINT—(Bengalen) 7,750 lbs, Palembang; 1,880 lbs, Singapore; 9,560 lbs, West Ira, Buenos Aires; 3,920 lbs, Coya, Mexico; 1,110 lbs, Hoyanger, Buenos Aires
PREPARED — 1,250 lbs, President Hoover, Manila
PECTIN, CITROUS — 800 lbs, Laurits Swenson, Oslo; (Steel Worker) 4,000 lbs, London; 3,000 lbs, Liverpool; 1,100 lbs, Damsterdijk, London
PETROLEUM, CRUDE — 74,788 bbls, 23,333,860 lbs, Kyokuto, Kure; 63,774 bbls, 19,897,490 lbs, Albertolite, Vancouver; 50,731 bbls, 15,828,070 lbs, La Placentia, Vancouver; 88,217 bbls, 27,523,700 lbs, Fujisan, Tokuyama
POTASH, MURIATE—8,000 bgs, 1,763,680 lbs, President Hoover, Yokohama
SCOURING COMP — 2,820 lbs, Silverteak, Shanghai
SODA, ASH—1,400 bgs, 308,640 lbs, Nordstjernan, Gothenburg; 1,470 bgs, 220,500 lbs, West Ira, Buenos Aires; 400 bgs, 88,180 lbs, Damsterdyk, Amsterdam; 2,940 bgs, 441,000 lbs, Hoyanger, Buenos Aires
CAUSTIC—100 cs, 5,090 lbs, President Hoover Manila
SOLVENTS—30,520 lbs, Damsterdyk, London; 50 dms, 18,300 lbs, Bengalen, Balikpapan; 30,330 lbs, Hoyanger, Buenos Aires
TALC—(President Hoover) 73,920 lbs, President Hoover, Manila; 4,000 lbs, Hongkong; 22 bgs, 2,460 lbs, Puntarenas
TITANIUM DIOXIDE—5,000 lbs, President Hoover, Hongkong
TOILET PREPS—1,360 lbs, President Hoover, Manila; 300 lbs, Steel Worker, London; 600 bgs, Coya, Tegucigalpa
ZINC DUST—1,000 lbs, Coya, Amapala

Mobile Exports
Clearance Dates

Ada, December 18; Chancellor, December 11; Crefeld, December 21; Nordvangen, December 20

CLEANER—100 cs, Nordvangen, Bridgetown
CORN SYRUP—(Chancellor) 347 bbls, Manchester; 71 bbls, Liverpool
LARD—100 tcs, Chancellor, Manchester
PARAFFIN—254 bgs, Chancellor, Liverpool
ROSIN, WOOD—150 bbls, Crefeld, Hamburg
TURPENTINE—8 dms, Ada, Maracaibo; 5 dms, Nordvangen, Bridgetown
WOOD—50 dms, Crefeld, Hamburg

New Orleans Exports
Clearance Dates

Ermland, December 3; Ethan Allen, December 10; Frank Seamans, December 20; Koenigsberg, November 15; Metapan, November 12; Santa Marta, November 5

ASPHALT—(Ethan Allen) 107 tons, Antwerp; 18 tons, Rotterdam; (Ermland) 549 sks, Hamburg; 373 sks, Bremen-Hamburg transhipment
BENTONITE—81 tons, Ethan Allen, Antwerp
BAUXITE ORE—6,538 sks, Ermland, Bremen-Hamburg transhipment
BLACK, CARBON—14 tons, Ethan Allen, Havre; (Koenigsberg) 6,765 sks, Bremen; 78 cs, Bremen-Hamburg opt; 50 cs, 145 sks, Hamburg; (Ermland) 889 sks, Bremen; 8 cs, Hamburg
CALCIMINE—1 ton, Metapan, Porto Limon
CALCIUM ARSENATE—(Santa Marta) 1,720 dms, Pisco; 250 dms, Callao; 350 dms, Metapan, Pisco
CHEMICAL SPECIALTY—3 kegs, Ermland, Bremen-Hamburg
CLAY—200 sks, Koenigsberg, Hamburg
GROUND—91 tons, Ethan Allen, Antwerp
COCOA WASTE—29 tons, Ethan Allen, Rotterdam
COTTONSEED CAKE—6,479 sks, Koenigsberg, Hamburg; 2,779 sks, Ermland, Hamburg
MEAL—2,000 sks, Metapan, Havana
FIRECLAY—(Ethan Allen) 14 tons, Antwerp; 108 tons, Rotterdam; (Santa Marta) 10 dms, Valparaiso; 58 tons, Havana; 68 tons, Panama; 61 tons, Callao
GUM, CHICLE—100 bbls, Metapan, Puerto Colombia
GREASE, LUBRICATING — 3 dms, Santa Marta, Corinto
INK—15 dms, Metapan, Havana
INSECTICIDE, LIQ—6 dms, Metapan, Havana
KEROSENE — 6 dms, Santa Marta, Puerto Limon; 125 cs, Metapan, Puerto Limon
LARD—(Santa Marta) 400 dms, 1,103 tins, Havana; 1,100 tins, Panama; 350 tins, Puerto Limon; 350 tins, Puntarenas; (Metapan) 600 dms, 2,284 tins, Havana; 500 tins, Panama; 1,700 tins, Puerto Limon; 100 tins, Puntarenas; 400 tins, Guayaquil
LIME—2 tons, Santa Marta, Bocas del Toro
OIL, COOKING — 50 crts, 40 cns, Metapan, Havana
LUBRICATING — (Ethan Allen) 52 tons, Havre; 16 tons, Antwerp; 5 tons, Rotterdam; 13 dms, Santa Marta, Corinto; 402 bbls, 680 tons, Koenigsberg, Hamburg; (Ermland) 96 bbls, 671 dms, Hamburg; 33 ctns, Bremen-Hamburg transhipment
PINE — 50 dms, Ermland, Hamburg; 4 dms, Metapan, Havana
REFINED — 100 cs, Metapan, Puerto Limon
PAINT — 37 cs, Santa Marta, Puerto Colombia; 1 ton, Metapan, Havana
PETROLEUM — 419 bbls, Ermland, Hamburg
PINETAR—10 dms, Santa Marta, Havana
POLISH, FURNITURE — 1 ton, Metapan, Havana
ROSIN — 85 bbls, Koenigsberg, Hamburg; 514 dms, Ermland, Hamburg; 6 bbls, Metapan, Paita
WOOD — (Santa Marta) 45 dms, Puerto Limon; 30 dms, Puntarenas; (Metapan) 100 dms, Havana; 10 dms, Puerto Limon; 50 dms, Cartagena
SALT—76 tons, Metapan, Havana
SHRIMP BRAN—120 sx, Santa Marta, Panama
SULPHUR, CRUDE — 6,270 tons, Frank Seamans, Hull-Middlesbrough
TITANIUM ORE CONC — 2,196 sx, Ermland, Hamburg
TOBACCO EXTRACT — 86 bbls, Koenigsberg, Bremen; 39 bbls, Ermland, Bremen

WAX — 25 tons, Ethan Allen, Antwerp; 191 sx, Koenigsberg, Hamburg

Norfolk Exports
Clearance Dates

City of Norfolk, December 18; Matra, December 16
BONE, SCRAP—1,770 bgs, 128,000 lbs, City of Norfolk, Hamburg
BUTYRIC ANHYDRIDE—1 dm, 300 lbs, City of Norfolk, London
CELLULOSE ACETATE—92 cs, 35,579 lbs, City of Norfolk, Hamburg
CORN SUGAR—500 bgs, 50,750 lbs, Matra, London
ETHYLENEGLYCOL—50 dms, City of Norfolk, London
HAW BARK, BLACK—5 lbs, 2,398 lbs, City of Norfolk, Hamburg
ISOPROPANOL—3 dms, City of Norfolk, London
MICA, PULVERIZED — (City of Norfolk) 20 bgs, 2,020 lbs, Hamburg; 120 bgs, 12,120 lbs, London
STARCH—944 bgs, 133,622 lbs, City of Norfolk, London
TERGITOL—3 dms, City of Norfolk, London

Philadelphia Exports
Clearance Dates

Asbjorn, December 18; Basil, December 16; Birmania, December 18; Chincha, December 22; City of Dundee, December 16; City of Salisbury, December 18; Collamer, December 20; Illinois, December 22; Ingria, December 20; Kolsnaren, December 17; Kwanto, December 18; Maasdam, December 17; Mahseer, December 21; Matra, December 20; Paraguayo, December 18; Ragnhildsholm, December 20; Tampa, December 18; Tanimbar, December 16; Wartenfels, December 16

ACETATE, BUTYL—120 dms, Matra, London
ACETONE—320 dms, Matra, London
ALUMINA SULPHATE—600 bbls, Tampa, Manila
ANTI-KNOCK COMP—89 dms, Matra, London; 1 dm, Ingria, Marseilles
ASPHALT—1 pl, Matra, London; (City of Dundee) 3 cs, Beira; 6 cs, Lourenco Marques; 5 cs, Durban; 8 cs, Port Elizabeth; 3 cs, Capetown
BENZOL—(Paraguayo) 10 dms, Rio de Janeiro; 57 dms, Buenos Aires
BLACK, BONE—9 bgs, Ragnhildsholm, Stockholm
BLUE, MECHANICS'—1 ctn, Collamer, Havre
CAULKING COMP—4 ctns, Ingria, Oporto
CEMENT, GASKET—102 ctns, 5 cs, Collamer, Havre; (City of Salisbury) 25 cs, Cairo; 2 cs, Colombo; 5 cs, Penang
LEATHER—1 cs, Ragnhildsholm, Stockholm
CHEMICAL SPECIALTY—5 dms, City of Salisbury, Calcutta
CLEANER—1 cs, Illinois, Mollendo
COCOA WASTE—2,560 pkgs, Maasdam, Amsterdam
EMERY PASTE—77 ctns, Collamer, Havre
ETHYL FLUID—20 dms, Ingria, Sete; 30 dms, Birmania, Budapest
GASOLINE—600 cs, Basil, Iquitos; (City of Dundee) 750 cs, Walfisch Bay; 3,700 cs, Beira; 1,750 cs, Durban; 150 cs, 1,000 bbls, Port Elizabeth; 300 cs, Capetown
GREASE, LUBRICATING—2 pkgs, Maasdam, Rotterdam; 45 dms, Matra, London; 8 dms, 14 cs, 22 bbls, Collamer, Havre; (Paraguayo) 20 bbls, 10 dms, Rio de Janeiro; 60 pls, Santos; 12 cs, Birmania, Piraeus; (City of Dundee) 20 bkts, Beira; 50 cs, 30 bkts, 10 dms, Lourenco Marques; 25 cs, 165 bkts, Durban; 5 cs, 235 bkts, 30 cs, Port Elizabeth; 4 cs, 11 dms, City of Salisbury, Bombay; 33 dms, 1 bbl, Tampa, Manila; 5 pls, 2 cs, Illinois, Mollendo; (Ragnhildsholm) 1 bbl, Gothenburg; 24 dms, 1 bx, Stockholm
GUM, SYNTH—1 dm, Collamer, Havre
INSECTICIDE—45 cs, City of Dundee, Port Elizabeth 84 ctns, City of Salisbury, Penang; 6 dms, 29 ctns, Illinois, Mollendo
KEROSENE—2,000 pkgs, Chincha, Mombasa
LACQUER—7 ctns, Paraguayo, Montevideo; (Ingria) 5 kits, 11 bxs, 36 ctns, Oporto; 57 ctns, 6 bxs, 5 kits, Lisbon
THINNER—5 dms, Ingria, Oporto
LEAK PREVENTER, RADIATOR—17 ctns, Collamer, Havre
LICORICE PASTE—21 cs, Wartenfels, Rustenberg, via Lourenco Marques; 40 cs, Tanimbar, Cheribon; 3 cs, Kolsnaren, Trondhjeim; 8 cs, Paraguayo, Rio de Janeiro; (Ragnhildsholm) 20 cs, Norrkoping; 19 cs, Helsingfors; 30 cs, Bergen
LINSEED, CAKE—635 bgs, Mahseer, London; 3,200 bgs, Collamer, Havre
MEAL—4,000 bgs, Ingria, Marseilles; 5,108 bgs, Birmania, Trieste
MEDICINAL PREPS—(City of Salisbury) 4 cs, Lahore; 12 cs, Calcutta; 62 cs, Tampa, Manila
MINERAL SPTS, COLZA—(City of Dundee) 30 cs, Beira; 25 cs, Lourenco Marques; 500 bbls, 50 cs, Durban; 10 bbls, Port Elizabeth
MOTOR FUEL—100 cs, City of Dundee, Durban
OIL, COALTAR—1 cs, Matra, London; 25 dms, Ingria, Lobito
ILLUMINATING—(City of Dundee) 50 cs, Beira; 1,500 cs, Lourenco Marques; 750 cs, Durban; 500 cs, Port Elizabeth; 200 cs, Capetown
LUBRICATING—(Wartenfels) 755 dms, 750 cs, Capetown; 420 dms, 530 cs, Port Elizabeth; 360 dms, 788 cs, East London; 1,316 dms, 6,383 cs, Durban; 820 dms, 1,105 cs, Beira; 5,320 pkgs, Diego Suarez; 254 pkgs, Morondava; 211 pkgs, Nossi Be; 810 pkgs, Majunga; 459 pkgs, Tulear; (Tanimbar) 5 pkgs, Bangkok; 309 dms, 900 cs, Batavia; 154 dms, 310 cs, Sourabaya; 4 dms, Bandoeng; 10 pkgs, Singapore; 523 pkgs, Semarang; 157 pkgs, Sibolga; 5 pkgs, Macassar; 52 pkgs, Menado; 247 pkgs, Medan; 99 pkgs, Padang; 347 pkgs, Palembang (Basil) 172 pkgs, Bahia; 9 bbls, 356 cs, Cabedello; 345 cs, 99 bbls, Pernambuco; 93 pkgs, Maceo; 10 pkgs, Ceara; 165 pkgs, 1,381 bbls, Maasdam, Rotterdam; (Kolsnaren) 3,281 pkgs, Gothenburg; 54 pkgs, Sundsvall; 12 pkgs, Helsingborg; 138 pkgs, Malmo; 312 pkgs, Norrkoping; 190 bbls, 143 pkgs, Matra, London; (Asbjorn) 11 pkgs, Buenos Aires; 879 pkgs, Rio de Janeiro; 215 pkgs, Asuncion; 35 pkgs, Aracaju; 173 bbls, 60 dms, 552 cs, Santos; (Kwanto) 10 dms, 2 bxs, Yokohama; 10 dms, Osaka; 6 dms, Kobe; (Collamer) 360 bbls, 168 pkgs, 1 bx, 65 dms, 111 ctns, Havre; 230 bbls, St Nazaire; 304 bbls, Bordeaux; (Paraguayo) 170 dms, 75 cs, 20 bbls, Rio de Janeiro; 120 dms, 76 cs, Santos; (Ingria) 112 bbls, 141 cs, Lisbon; 55 bbls, 21 dms, 456 cs, Leixoes; 23 pkgs, San Thome; 15 pkgs, Cabinda; 60 pkgs, Praia; 90 pkgs, Loanda; 22 pkgs, Novo Redondo; 50 pkgs, Mossamedes; 20 pkgs, Benguela; 7 pkgs, Porto Amboim; 65 ctns, 40 pkgs, Casablanca; 168 bbls, 20 dms, Marseilles; 157 ctns, 75 pkgs, 29 dms, Valleiry; 225 bbls, Marseilles; 34 dms, Haiphong; 11 pkgs, Oran; (Birmania) 20

OIL, LUBRICATING (Continued):—
bbls, Venice; 4 pkgs, Genoa; 20 dms, Durazzo; 15 ctns, Barat; 190 dms, 2 bxs, Piraeus; 10 bbls, Split; 16 bbls, 27 dms, Bos Brod; (City of Dundee) 70 cs, 80 dms, Beira; 230 cs, 1,080 dms, Lourenco Marques; 1,190 cs, 135 dms, Durban; 148 cs, 890 dms, Port Elizabeth; 60 cs, 449 dms, Capetown; (City of Salisbury) 40 ctns, Penang; 177 dms, 80 cs, Bombay; 17 dms, Bareily; 11 dms, Bangalore; 50 dms, Calcutta; (Tampa) 13 dms, Manila; 2 cans, Honolulu; 12 dms, 2 cs, Illinois, Mollendo; (Ragnhildsholm) 60 dms, 1 bx, 1 crt, Gothenburg; 43 cs, 52 bxs, 1 crt, 25 bbls, Stockholm; (Chincha) 65 pkgs, Mombasa; 155 pkgs, Dar-es-Salaam; 65 pkgs, Tanga
MINERAL—10 cs, Collamer, Bordeaux; 50 cs, City of Dundee, Durban
NEATSFOOT—12 bbls, Ingria, Marseilles
PENETRATING—5 dms, City of Salisbury, Colombo
TRANSFORMER—20 bbls, Matra, London
PAINT—135 ctns, Collamer, Havre; (Paraguayo) 2 ctns, Montevideo; 83 cs, Buenos Aires; (Ingria) 49 kits, 36 ctns, Oporto; 44 ctns, 97 kits, Lisbon
THINNER—1 dm, Paraguayo, Montevideo; 1 dm, Ingria, Lisbon
PARAFFIN—25 bbls, Tanimbar, Bangkok; 53 bgs, Ingria, Ste Colombe; 612 bgs, Birmania, Trieste; 255 bgs, City of Dundee, Port Elizabeth; 357 bgs, Tampa, Manila; (Ragnhildsholm) 2,548 bbls, Gothenburg; 540 bbls, Hernosand; 10 bgs, Helsingborg; 50 bgs, Halmstad
SEMI-REFINED—200 bgs, Illinois, Tumaco
POLISH—400 ctns, Collamer, Havre; (Paraguayo) 6 ctns, 4 kits, Montevideo; 193 cs, Buenos Aires; 1 cs, City of Salisbury, Calcutta
RADIATOR CLEANER—100 ctns, Collamer, Havre
RESIN, COALTAR—56 dms, Matra, London; 6 dms, Collamer, Havre
RUBBING COMPOUND—4 cs, City of Salisbury, Colombo
RUBBER COMPOUNDING AGENTS—14 bbls, Collamer, Havre
RUST PREVENTER—31 dms, Tampa, Honolulu
SOAP—300 bxs, Matra, London
SOLDER DROSS—82 dms, Matra, Avonmouth
SOYBEAN MEAL—4,480 bgs, Birmania, Trieste
TOILET PREPS—(City of Dundee) 3 cs, Capetown; 1 cs, Port Elizabeth; 1 cs, Durban, 1 cs, Johannesburg; 4 cs, Durban
TRICHLORETHYLENE—1 ctn, Ingria, Oporto
VARNISH—(Ingria) 5 kits, Oporto; 8 dms, 6 kits, 19 ctns, Lisbon; 3 bxs, Ragnhildsholm, Stockholm
WAX, AUTO—2 ctns, Ingria, Oporto

San Francisco Exports
Clearance Dates

Amerika, December 6; Coya, December 4; Granville, December 4; Kingsley, December 10; Laurits Swenson, December 4; Mariposa, December 6; Pacific Bresident, December 9; Portland, December 4; San Pedro, December 5; Santa Rosa, December 9; Taiyo, December 8; Yeiyo, December 9.

ACETONE—1 cs, Mariposa, New Zealand
ACID, BORIC—(Mariposa) 20 sks, Australia; 80 sks, New Zealand
MURIATIC—12 cbys, Santa Rosa, Mazatlan
NITRIC—1 cs, Santa Rosa, Buenaventura
SULPHURIC—4 cbys, Coya, Corinto; 1 cs, Santa Rosa, Buenventura
APRICOT KERNELS—40 sks, Portland, Hamburg; 30 sks, Laurits Swenson, Oslo; 50 sks, Amerika, Denmark; 70 sks, Pacific President, London
ASPHALT—10 dms, Coya, Callao; 1 dm, Mariposa, Australia; 65 bbls, Kingsley, Vancouver
GILSONITE—152 sks, Portland, Havre; (Mariposa) 20 sks, Australia; 25 sks, New Zealand
LIQUID—2 cans, Coya, Amapala
BARYTES, GRD—1,000 sks, Santa Rosa, Peru
BIOLOGICALS—12 cs, Santa Rosa, Havana
BONE ASH—1 dm, Santa Rosa, Buenaventura
BORAX—(Mariposa) 20 sks, Australia; 20 sks, New Zealand
BRONZE POWDER—1 cs, Coya, Mexico City
CALCIUM CHLORIDE—1 dm, Santa Rosa, Cartagena
CALCIMINE—3 cs, Mariposa, Cook Islands
CARBON BISULPHIDE—(Coya) 10 dms, Puntarenas; 10 dms, Corinto
DECOLORIZING—1 cs, Santa Rosa, Mazatlan
CEMENT, LINOLEUM—1 pl, Mariposa, Fiji Islands
RADIATOR—12 cs, Kingsley, Vancouver
CHARCOAL—400 sks, Pacific President, Manchester
CHEMICALS—11 dms, 5 bbls, Mariposa, Australia; 4 cs, Santa Rosa, Buenaventura
CINNAMON—(Coya) 5 bls, Champerico; 5 bls, San Cristobal; 2 bls, Puntarenas; 15 bls, Corinto; 6 bls, Amapala; (Santa Rosa) 3 bls, San Jose de Guatemala; 40 bls, La Libertad
CLAY, GRD—500 sks, Mariposa, Australia
CLEANER—1 cs, Mariposa, Samoa
CLOVES—3 bls, Coya, Puntarenas; 5 bls, Santa Rosa, La Libertad
COALTAR—1 dm, Coya, Champerico; 2 dms, Santa Rosa, Mazatlan
INTERMEDIATES—2 dms, Kingsley, Vancouver
COLLODION—1 cs, Mariposa, New Zealand
COLOR, DRY—13 bbls, Mariposa, Australia; 16 cs, 4 bbls, Santa Rosa, San Jose de Guatemala
CONCENTRATES—50 dms, Taiyo, Kobe
CORK—1 cs, Mariposa, Fiji Islands
CUMIN SEED—1 sk, Coya, Amapala
DRUGS—(Mariposa) 4 cs, Samoa; 1 cs, New Zealand
EPSOM SALT—1 bbl, Coya, Amapala
GASOLINE—25 dms, Coya, San Jose de Guatemala; 2,500 dms, 1,000 cs, Coya, Puntarenas
GLAUBER'S SALT—3 bbls, Coya, Amapala
GLUE, DRY—1 dm, Mariposa, New Zealand
GRAPHITE PASTE—1 dm, Mariposa, Australia
GREASE—15 half dms, 50 dms, 20 pls, 3 cs, Coya, Manzanillo; 150 dms, Granville, Perth; (Mariposa) 13 dms, New Zealand; 500 dms, Australia; 10 dms, Pacific President, London; (Santa Rosa) 40 pls, Mazatlan½ 15 cs, Cristobal; 64 bbls, 100 pls, 10 cs, Kingsley, Vancouver
GUM COMPOUND, SYNTH—11 dms, Mariposa, Australia
GYPSUM—2 kgs, Santa Rosa, San Jose de Guatemala
HOPS—(Amerika) 1 cs, 1 bl, Amsterdam; 23 bls, Rotterdam
HYDROGEN, PEROXIDE—98 cs, Mariposa, New Zealand
INK, PRINTING—30 pls, 30 dms, Coya, Valparaiso; 1 dm, 5 kgs, Mariposa, Australia
INSECTICIDE, AGRIC—2 dms, Mariposa, Australia
KEROSENE—(Coya) 500 cs, San Jose de Guatemala; 250 cs, Puntarenas; 77,180 bbls, Yeiyo, Dairen
LACQUER—89 cs, Mariposa, New Zealand; 15 cs, Santa Rosa, San Jose de Guatemala
THINNER—4 dms, Coya, Mexico City; (Santa Rosa) 1 dm, San Jose de Guatemala; 1 dm, Culliacan
LEAD, RED, DRY—2 dms, Kingsley, Vancouver

LEAD RED, IN OIL—14 kgs, Santa Rosa, San Jose de Guatemala
16 pls, Santa Rosa, Mazatlan
WHITE, IN OIL—1 kg, Coya, Champerico
LEAK PREVENTER—1 cs, Santa Rosa, San Jose de Guatemala
LEAVES—4 cs, Kingsley, Vancouver
LIGHTER FLUID—24 cs, Kingsley, Vancouver
LITHARGE—1 pl, Santa Rosa, Buenaventura; 2 dms, Kingsley, Vancouver
LITHOPONE—9 bbls, Mariposa, New Zealand; 2,000 sks, Kingsley, Victoria
MEDICINAL PREPS—5 cs, Mariposa, New Zealand
MILK SUGAR—168 bbls, Portland, Basle; 20 bbls, Santa Rosa, Havana
NITROCELLULOSE—2 dms, Kingsley, Victoria
NITROUS OXIDE—6 crts, Mariposa, New Zealand
NUTMEGS—10 sks, Santa Rosa, La Libertad
OAK EXTRACT—40 sks, Kingsley, Vancouver
OIL—1 dm, Mariposa, Australia
CHINAWOOD—50 dms, Coya, Manzanillo
COCONUT—25 dms, Coya, Corinto; 78 bbls, 30 cs, Mariposa, New Zealand; 2 dms, Santa Rosa, Pimental; 1 dm, Kingsley, Vancouver
DIESEL—52,620 bbls, San Pedro, Japan
FISH, HARD—50 sks, Coya, Amapala; (Santa Rosa), 50 bls, Panama; 100 sks, San Jose de Guatemala
FUEL—19,686 bbls, San Pedro, Japan
LUBRICATING—(Coya) 30 cs, 5 dms, Puntarenas; 1 cs, Guatemala; 1 dm, Champerico; 475 dms, 38 cs, Manzanillo; 515 dms, Granville, Perth; 2 dms, Portland, Belgrade; (Mariposa) 1 cs, 4,160 dms, Australia; 25 dms, New Zealand; 50 dms, Taiyo, Kawasaki; 280 dms, 60 cs, Santa Rosa, Mazatlan; 75 dms, Kingsley, Vancouver
MACHINE—1 cs, Mariposa, Samoa
MIRBANE—1 cs, Coya, Amapala
MIXING—4 cs, Santa Rosa, San Jose de Guatemala
PERILLA—15 dms, Coya, Manzanillo
PUTTY—5 dms, Mariposa, Australia
TURPENTINE—1 cs, Mariposa, New Zealand
PAINT—(Coya) 20 pls, Mexico City; 25 cs, 8 dms San Jose de Costa Rica; 99 cs, Guatuatemala; 10 cs, 5 pls, Callao; (Santa Rosa), 121 cs, San Jose de Guatemala; 50 cs, Panama
ENAMEL—20 pkgs, 1 pl, Coya, Mexico City; (Santa Rosa) 5 cs, Cullican; 6 cs, San Jose de Guatemala
PASTE—1 cs, Santa Rosa, San Jose de Guatemala
PREPARED—(Mariposa) 2 cs, Cook Islands; 2 cs, Samoa; 28 pls, Santa Rosa, Mazatlan
REMOVER—4 cs, Coya, Guatemala
THINNER—1 dm, Coya, Mexico City
PEPPER—3 sks, Coya, Corinto; 5 sks, Santa Rosa, La Libertad
PETROLATUM—3 dms, Coya, Manzanillo
PETROLEUM—88 dms, Mariposa, Australia
GAS, LIQ—3 cyls, Coya, La Union
PIMENTOS—30 sks, Mariposa, Australia
POLISH—2 cs, Mariposa, New Zealand
AUTO—1 cs, Mariposa, Samoa; 1 cs, Santa Rosa, Guatemala
FURNITURE—3 cs, Santa Rosa, San Jose de Guatemala
METAL—6 cs, Kingsley, Vancouver
SHOE—4 cs, Mariposa, Fiji Islands
POTASH XANTHATE—285 dms, Portland, Stockholm
PUMICE—2 cs, Santa Rosa, San Jose de Guatemala
PUTTY—21 cs, Mariposa, New Zealand; 3 cs, 4 kegs, Santa Rosa, San Jose de Guatemala
PYROCIDE—1 dm, Mariposa, New Zealand
QUICKSILVER—1 flsk, Santa Rosa, Buenaventura
RESIN, SYNTH—(Mariposa) 2 dms, Australia; 3 dms, New Zealand
SALT, IODIZED—200 pkgs(Mariposa, New Zealand
PHOSPHATE—80 pkgs, Mariposa, New Zealand
SULPHURIZED—2,000 pkgs, Mariposa, Australia
SARDINE MEAL—1,018 sks, Amapala, Rotterdam
SHELLAC, GUM—2 bbls, Mariposa, Australia
SILICA, COURSE, GR—(Mariposa) 6 sks, 2 cs, Australia; 4 dms, New Zealan;
SOAP—1 cs, Mariposa, Fiji Islands
SCOURING—1 cs, Mariposa, Samoa
TOILET—4 cs, Mariposa, New Guinea
SODA, ASH—20 sks, Coya, Corinto; 1 dm, Santa Rosa, Buenaventura
BICARBONATE—1 bbl, Coya,Amapala
CAUSTIC—(Coya) 10 dms, Granada; 4 dms, Corinto; 20 dms, La Union; 30 cs, Santa Rosa, Mazatlan
XANTHATE—200 dms, Kingsley, Kimberley
SOLDER FLUX, LIQ—2 dms, Mariposa, New Zealand
SULPHUR—1 sk, Coya, Amapala; 150 sks, 1 crt, Mariposa, New Zealand; 20 sks, Santa Rosa, Mazatlan
FLOWERS—(Coya) 2 sks, Guatemala; 20 sks, La Union
TALLOW—4 bbls, Coya, Manzanillo
TAPIOCA—(Coya) 1 sk, Quezaltenango; 1 sk, Amapala; 1 sk, Santa Rosa, San Jose de Guatemala
TOILET PREPS—(Mariposa) 2 cs, New Zealand; 2 cs, Fiji Islands; 4 cs, Kingsley, Vancouver
TREE WASH—(Mariposa) 12 dms, 35 cs, New Zealand; 124 cs, Australia
TURPENTINE, GUM SPTS—20 cs, Mariposa, Fiji Islands
VARNISH—(Coya) 1 dm, 5 pls, Mexico City; 6 cs, 2 dms, Guatemala; 4 cs, 4 dms, Santa Rosa, San Jose de Gautemala
WATER, MINERAL—9 cs, Santa Rosa, La Libertad
WAX—2 cs, Coya, Guatemala
FLOOR—3 cs, Santa Rosa, San Jose de Guotemala
ZINC DUST—(Coya) 106 cs, Amapala; 10 cs, La Union; (Mariposa) 200 dms, Australia; 128 cs, New Zealand; 40 cs, Santa Rosa, Pisco

Savannah Exports

Clearance Dates

Binna, December 17; Braheholm, December 23; Cingalese Prince, December 14

COTTON LINTERS — (Binna) 95 bls, Bremen; 400 bls, Hamburg
DEER TONGUE LEAVES — (Binna) 39 bls, Rotterdam; 15 bls, Hamburg
GLUCOSE — (Cingalese Prince) 210 bbls, Manila; 45 bbls, Iloilo; 15 bbls, Cebu
ROSIN — (Binna) 889 bbls, London; 50 bbls, Hull; 310 bbls, Rotterdam; 1,630 bbls, Hamburg; 1,000 bbls, Czechoslovakia
GUM—600 bbls, Cingalese Prince, Shanghai; (Braheholme) 1,887 bbls, Havana; 25 bbls, Santiago
SOYBEAN MEAL — 60 bgs, Cingalese Prince, Manila
STARCH, CORN — (Cingalese Prince) 50 cs, 600 bgs, Manila; 440 bgs, Cebu
TURPENTINE — (Binna) 300 bbls, London; 100 bbls, Hull
GUM — (Binna) 300 bbls, London; 100 bbls, Hull
WOOD—50 dms, 2 ctns, Cingalese Prince, Manila

Tampa Exports

Clearance Dates

Angrer, December 17; Beloit, December 16; General Tosta, December 14; Goldfield, December 14; Motagua, December 18

BAKING POWDER — 15 cs, Goldfield, Georgetown
COCOA — 25 cans, 30 cs, General Tosta, Cozumel
DRUGS — 7 ctns, 1 bx, Goldfield, Georgetown
GASOLINE — 3 dms, General Tosta, Belize; 29 dms, Goldfield, Georgetown; 7 dms, Beloit, Belize; 28 dms, Angrer, Belize; 3 dms, Motagua, Belize
KEROSENE — 14 dms, Goldfield, Georgetown; 14 dms, Angrer, Belize
LARD—50 tins, General Tosta, Cozumel
OIL, FUEL — 24 dms, Angrer, Belize
SOAP, LAUNDRY — 50 cs, Goldfield, Georgetown
TOILET — 6 cs, General Tosta, Cozumel
STARCH, CORN — 24 ctns, Goldfield, Georgetown

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE — 9,324 bbls, San Diegan, San Diego; 56,232 bbls, Arizona, Seattle; 42,818 bbls, Warwick, Portland; 8,674 bbls, San Diegan, San Diego; 60,407 bbls, Utacarbon, Seattle
OIL, DIESEL — 1,481 bbls, San Diegan, San Diego; 9,596 bbls, Richmond, Astoria; 1,405 bbls, Warwick, Portland; 1,461 bbls, San Diegan, San Diego; 14,071 bbls, Utacarbon, Seattle
FUEL — 66,000 bbls, La Brea, Portland; 53,561 bbls, Neches, San Diego; 50,032 bbls, Brazos, San Diego; 49,054 bbls, Torres, San Francisco; 2,350 bbls, Coast Shipper, Portland; 54,000 bbls, Richmond, Astoria; 66,436 bbls, Cathwood, Seattle
FURNACE — 1,670 bbls, Warwick, Portland; 5,772 bbls, Utacarbon, Seattle

Mobile Coast Trade

ROSIN — 106 tons, Jacob Luckenbach, Los Angeles
POWDERED — 16 tons, Jacob Luckenbach, Oakland

San Francisco Coast Trade

ACID—12 tons, Corrales, Seattle
CITRIC—1 bbl, Californian, Seattle
SULPHURIC — 15 dms, Julia Luckenbach, Portland, Ore
ALCOHOL—15 tons, James Griffiths, Seattle
15 tons, Corrales, Seattle
GRAPE—100 dms, Santa Rosa, New York
AMMONIA—16 dms, Julia Luckenbach, Portland, Ore
ASPHALT—25 tons, Corrales, Tacoma
BONE MEAL — 400 sks, Ernest H Meyer, Portland, Ore
BRISTLES—173 cs, Santa Rosa, New York
CASSIA—70 bls, Santa Rosa, New York
CEMENT—60 dms, Ernest H Meyer, Portland, Ore
CAN—17 tons, Corrales, Seattle
COPPER—9 tons, James Griffiths, Tacoma
CLAY—22 tons, James Griffiths, Seattle
COCONUT, DESIC — 2,807 cs, Santa Rosa, New York
CONCENTRATES—17 tons, James Griffiths, Tacoma
COPPERAS—200 bbls, Dorothy Wintermote, Seattle
DEXTROSE—23 tons, Arizonan, New York
DRUGS—11 cs, Californian, Seattle
10 cs, Californian, Tacoma
GLUE THINNER—50 dms, Dorothy Wintermote, Seattle
GLYCERIN—35 dms, Santa Rosa, New York
HONEY—14 tons, Arizonan, New York
25 tons, James Griffiths, Seattle
MILK POWDER—21 tons, Arizonan, Port Newark
25 tons, Arizonan, Philadelphia
25 tons, Arizonan, Boston
OAK EXTRACT—86 tons, Harpoon, New York
OIL, CHINAWOOD—150 dms, Arizonan, New York
LUBRICATING—58 dms, Dorothy Wintermote, Seattle
13 tons, Arizonan, Port Newark
OLEOMARGARIN—100 cs, Celilo, Los Angeles
PAINT—700 pls, Dorothy Wintermote, Seattle
8 tons, Corrales, Tacoma
46 tons, Corrales, Seattle
15 tons, Celilo, Los Angeles
IN OIL—121 dms, Santa Rosa, New York
PETROLEUM PRODUCTS—1,165 pkgs, Dorothy Wintermote, Point Wells
50 tons, Arizonan, Port Newark
SALT—1,233 pkgs, Dorothy Wintermote, Seattle
730 sks, Dorothy Wintermote, Tacoma
800 sks, Dorothy Wintermote, Port Townsend
2,374 pkgs, Ernest H Meyer, Portland, Ore
150 tons, James Griffiths, Seattle
2,000 tons, James Griffiths, Tacoma
26 tons, Corrales, Tacoma
20 tons, Corrales, Olympia
23 tons, Corrales, Seattle
15 tons, Celilo, Los Angeles
250 tons, El Capitan, Seattle
SAND—1,000 sks, Dorothy Wintermote, Tacoma
SOAP—310 pkgs, Katrina Luckenbach, Portland, Ore
SODA SILICATE—200 sks, Californian, Seattle
19 tons, James Griffiths, Seattle
SULPHUR—20 tons, James Griffiths, Seattle
WASHING COMPOUND—11 tons, Celilo, Los Angeles

Cargo Ship Arrivals

December 25 to January 7

New York

Agwistar	Cozumel*	Dec 30
American Merchant	London	Jan 3
American Shipper	Manchester*	Dec 30
American Trader	London	Dec 28
Amor	Maracaibo*	Jan 3
Ancon	Cristobal*	Jan 3
Andania	Southampton*	Dec 31
Arizonan	Tacoma*	Jan 1
Berengaria	Southampton*	Dec 28
Bilderdijk	Rotterdam*	Jan 6
Black Falcon	Rotterdam*	Jan 3
Black Gull	Rotterdam*	Dec 28
Black Osprey	Rotterdam*	Jan 3
Canadian Conqueror	Auckland*	Dec 31
Caracas	Maracaibo*	Dec 29
City of Dalhart	Melbourne*	Dec 31
City of New York	Mombasa*	Jan 3
Coamo	Trujillo*	Dec 28
Colombia	Puerto Colombia*	Jan 3
Culberson	Buenos Aires*	Jan 1
De Grasse	Havre*	Jan 6
Excambion	Jaffa*	Jan 6
Exhibitor	Istanbul	Dec 23
Exmoor	Oran*	Dec 27
Express	Bourges*	Jan 6
Fernhill	Genoa*	Jan 5
Fidelio	London	Dec 27
Fort Amherst	St John's*	Dec 29
Fort Townshend	Trinidad*	Jan 1
Franconia	Southampton*	Jan 2
Germa	Buenos Aires	Dec 30
Gerolstein	Antwerp	Dec 30
Gloucester City	Bristol*	Dec 29
Grete Maersk	Manila*	Jan 7
Gunvor	Georgetown*	Jan 4
Hamburg	Hamburg*	Dec 29
Hansa	Hamburg*	Jan 7
Heffron	New Westminster.*	Jan 7
Hektor	La Plata	Dec 24
Henry S. Grove	Beira*	Dec 31
Ida	Trieste*	Dec 31
Kinai	Hongkong*	Jan 7
Lewis Luckenbach	Los Angeles	Jan 4
Lindenbank	Calcutta*	Jan 2
Magdapur	Calcutta*	Jan 3
Marino	Genoa*	Jan 3
Marion Otis Chandler	Honolulu	Jan 3
Martinique	Gonaives*	Jan 1
Missourian	Portland*	Jan 1
Musa	Tela*	Dec 30
Nanman	Yokohama*	Dec 28
New Texas	Freetown*	Jan 3
Norden	Osaka*	Jan 7
Northern Prince	Buenos Aires*	Jan 5
Ogontz	Alexandretta*	Jan 3
Oregonian	Tacoma*	Jan 6
Palembang	Macassar*	Jan 7
Panaman	Portland*	Jan 3
Parnahyba	Santos	Jan 5
Pennsylvania	San Francisco*	Jan 3
President Adams	Honolulu*	Dec 31
President Harding	Hamburg*	Jan 1
Republic	Honolulu*	Dec 28
Rex	Naples*	Dec 30
Robert Maersk	Antwerp*	Dec 31
Robin Goodfellow	Mombasa*	Jan 1
Samaria	Liverpool*	Dec 28
San Gabriel	Portland*	Dec 31
San Jacinto	La Romana*	Dec 28
San Juan	La Romana*	Jan 4
San Mateo	Havre	Jan 5
Santa Barbara	San Antonio*	Dec 27
Santa Rita	Antofagasta*	Jan 3
Santa Rosa	San Francisco*	Dec 29
Scanpenn	Stockholm*	Dec 29
Scythia	Liverpool*	Jan 3
Seatrain Havana	New Orleans*	Dec 28
Siboney	Vera Cruz*	Jan 2
Silveryew	Singapore*	Jan 6
Tai Yin	Manila*	Jan 2
Texas Banker	Houston*	Jan 9
Texas Trader	Houston*	Dec 27
Thode Fagelund	Rio de Janeiro*	Dec 30
Toloa	Cristobal*	Jan 5
Trongate	Marseilles*	Dec 27
Ulua	Cartagena*	Dec 29
Uruguayo	Diamente*	Dec 31
Uyo	Yokohama*	Jan 2
Veragua	Kingston*	Jan 2
Vigilant	Gdynia*	Jan 5
Vincent	Dunkirk*	Dec 27
Washington	San Francisco*	Dec 27
West Calumb	Buenos Aires*	Dec 29
West Camargo	Los Angeles	Jan 3
Westernland	Antwerp*	Jan 4
Western World	Buenos Aires*	Dec 29
William Luckenbach	San Francisco*	Jan 4

* And other ports

Recent Charters

PETROLEUM — 10,000 tons, S S Huguenot, fuel oil, Gulf to North of Hatteras, 29½c; January
—— tons, S S ——, dirty, Gulf to France, 25s 6d; February
14,000 tons, S S Henning Maersk, dirty, Gulf to Havre, 25s 9d; February-March
4,758 tons, S S Fagerfjell, dirty, Gulf to West Italy, 27s; January
—— tons, S S Petrekis Nomekis, dirty, Aruba to United Kingdom, Continent, 20s; January-February
12,000 tons, S S Pericles, dirty, Abadan to United Kingdom, Continent, 32s; January
—— tons, S S ——, fuel oil, Gulf to North of Hatteras, 30½c to 32c; January
14,000 tons, S S Frontenac, dirty, Abadan to United Kingdom, Continent, 32s; January
—— tons, S S ——, gasoline, Gulf to North of Hatteras, 35c; January
—— tons, S S Thorsholm, clean, California to United Kingdom, 37s 6d; December-January
—— tons, S S ——, crude oil, Gulf to North of Hatteras, 30c; January
10,000 tons, S S Edward L Shea, Gulf to North of Hatteras, gasoline, 34c; kerosene, 35c; lubricating oil, 36c; January
PHOSPHATE—1,400 tons, S S ——, Sfax to Galway, 17s 6d; January

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative office of the bureau and not to this publication. When writing give the number of the item:—

Carbon tetrachloride:—Purchase; Toronto, Canada (4998).

Chemicals, industrial:—Agency, Alexandria, Egypt (4947).

Chemicals, industrial:—Agency; Calcutta, India (4949).

Ink, printing, lithographing, and writing:—Agency; Bombay, India (4979).

Ink, printing; engraving inks in cans:—Cairo, Egypt (4972).

Medicines, medical supplies, and pharmaceuticals:—Agency, Monterey, Mexico (4948).

Medicines and pharmaceutical preparations:—Agency; Bogota, Colombia (4945).

Nicotine sulphate:—Purchase; London, England (4997).

Paints, varnishes, lacquers, and enamels:—Agency, Bombay, India (4979).

Toilet Preparations:—Agency, Alexandria, Egypt (4947).

Soda bichromate and chemical reagents:—Agency; Santiago, Chile (4946).

Turpentine:—Agency; Toronto, Canada (4944).

Waxes for floor and shoe polishes, and rubber and textile uses:—Agency; purchase; Prague, Czechoslovakia (4999).

Bids Wanted

Alcohol, Denatured: — 1,000 gallons; Superintendent of Lighthouses, Staten Island, N. Y.; procurement 55610, opening January 5.

Creosote Oil:—450 gallons; Chief Purchasing Division, Treasury Department, Charleston, W. Va.; procurement 55816, opening January 4.

Ethyleneglycol: — 225 gallons; Contracting Officer, Material Division, Air Corps, Wright Field, Dayton, Ohio; requisition 942 Aero, opening January 11.

Paint:—300 gallons; Chief Purchasing Division, Treasury Department, Charleston, W. Va.; procurement 55843, opening January 4.

Peptone:—200 pounds; Purchasing and Contracting Officer, Medical Section, Army Base, Brooklyn; circular 59, opening January 3.

Tar:—10,000 gallons; State Procurement Officer, Treasury Department, Raleigh, N. C.; procurement 4583, opening January 7.

Varnish:—1,764 gallons; Bureau of Supply, Treasury Department, Procurement Division, Washington; procurement 2854-S, opening January 4.

White Lead:—10,000 pounds; State Procurement Officer, Treasury Department, Baltimore; procurement 3024, opening January 6.

White Lead:—500 pounds; State Procurement Officer, Treasury Department, Madison, Wis.; procurement 5946, opening January 5.

Contracts Awarded

Laundry Soda:—56,000 pounds; award to H. Kohnstamm & Co., Chicago, at 1.45 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.

Laundry Starch:—5,000 pounds; award to the R. P. Ducas Company, New York, at 6.05 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.

Quenching Oil:—6,000 gallons; award to the Standard Oil Company of Pennsylvania, at 9.69 cents, by the Frankford Arsenal, Pa.; procurement 449, opened November 29.

Soap, Chip:—3,240 pounds; award to the M. Werk Company, St. Bernard, O., at 7.93 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.
8,000 pounds; award to the Procter & Gamble Distributing Company, Dallas, Tex., at 7.94 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.
36,000 pounds; award to the Sterling Supply Corporation, Philadelphia, at 7.25 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.
38,000 pounds; award to Swift & Co., San Antonio, Tex., at 7.33 cents, by the Quartermaster Supply Officer, Fort Sam Houston, Tex.; procurement 74, opened November 8.

Soap, Laundry:—160,000 pounds; award to the Colgate-Palmolive-Peet Co., Berkeley, Cal., at 3.44 cents, by the Quartermaster, Fort Mason, San Francisco; procurement circular 129, opened November 15.
50,000 pounds; award to the Pioneer Soap Company, at 3.4 cents, by the Quartermaster, Fort Mason, San Francisco; circular 129, opened November 15.

White Lead:—5,000 pounds; award to the Mamolith Carbon Paint Company, Scranton, Pa., at 8.9 cents, by the Frankford Arsenal, Pa.; procurement 470, opened November 23.

Standard of Cal. Title To Elk Hills Voided

Federal Judge Yankwich, Fresno, Cal., December 4, upheld the title of the Federal Government to section 36, a 640-acre tract in the Elk Hills petroleum field, as against the claim of the Standard Oil Company of California, and awarded the government $6,164,102 as damages by reason of drilling operations over a long period.

The area was originally a part of the Federal domain, but the State of California sold it as school lands to settlers who in turn disposed of it to the oil company, beginning in 1909. Judge Yankwich held that because the land was known as "Mineral" in character when it was surveyed in 1903, it had never passed from the public domain and hence never was a part of the State's school lands. Persons who bought their land from the State of California were declared to have been trespassers.

In addition to the damage verdict, the judge ruled that the company and Clara Fairbank Ranney, and Frank J. Carman, of El Paso, Tex., jointly were responsible for $1,896,819 in royalties on oil taken from one parcel in the section to which the Texans claimed title.

Packaging Institute Re-elects

The Packaging Machinery Manufacturers Institute, at its annual meeting in December, re-elected the following officers:— President, H. H. Leonard, of the Consolidated Packaging Machinery Corporation, Buffalo; vice-presidents, Wallace D. Kimball, of the Standard-Knapp Corporation; Morehead Patterson, of the American Machine and Foundry Company, and secretary-treasurer, H. L. Stratton.

Ralph E. Lee, of the R. & H. division of E. I. du Pont de Nemours & Co., Empire State building, this city, became the father of a baby boy, seven pounds and one ounce, born December 19, at the Mount Eden hospital, Bronx. Mrs. Lee and child were reported doing nicely.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

CHEMICAL TEXTILE House, modern efficient plant equipped with extra modern laboratory, located in Paterson, New Jersey, and directed by an expert DPH in chemistry covering the eastern territory will be interested to represent producers of raw materials for textile, laundry or similar. Address to:—Armenante Chemical Co., Little Falls, New Jersey.

Businesses Wanted

PAINT AND VARNISH manufacturer, doing a large volume in metropolitan area, principally white goods, is desirous of expanding his business. To that end, we are prepared to purchase out-right, or take over on a mutually satisfactory basis, a going paint concern, including building, equipment, etc., if available. Replies considered strictly confidential. BOX 592, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE. — Anderson No. 1 motor driven expeller, with tempering apparatus, foots elevator, etc.; four Johnson and two Shriver 18" x 18" and 24" x 24" cast iron filter presses; Oats 300-gal. copper vac. still; Stedman 42" ball bearing disintegrator; Werner & Pfleiderer Jack. mixer, size 15, "BB"; Colton 1" No. 3 rotary tablet machine; Stokes 1¼" No. 4½ single punch; Stokes, Colton & Day powder and paste fillers; U. S. Bottlers rotary bottle washers; Alsop vac. bottle fillers; glass lined kettles and tanks up to 500 gal.; pulverizers, roller mills, pumps, etc. Specialists in hydraulic equipment for plastic industries. We buy your surplus machinery. Stein Equipment Corp., 426 Broome St., New York City.

Equipment Offered

FOR SALE.—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

Equipment Wanted

MODERATE SIZE spray dryer and vacuum dryer. State details, size, price, condition, etc. BOX 589, Oil, Paint and Drug Reporter.

INTERESTED in purchasing 500-gal. setpot, preferably with clamp-on cover. Advise price and type metal. BOX 591, Oil, Paint and Drug Reporter.

Factories Offered

BRICK FACTORY.—One story, 4,000 sq. ft., 18-ft. headroom, no columns, live steam available 24 hour per day, railroad siding, yard. Unrestricted district, Newark, N. J. Low rent. The R. L. Kraft Company, Woolworth Building, COrtlandt 7-9377.

Instruction

EVENING COURSES for non-technical business men; paints, resins, metals, industrial processes. Class, New York and Wilmington, starting February. Elementary and advanced courses (30 fields) by mail. Dr. Brown, Industrial Consultants, 3404 Baring street, Philadelphia, Pa.

Manufacturing Wanted

PAINT MANUFACTURER, Long Island City, has plant facilities and machinery available to outsider for all or part time. Includes fusing kettles and complete cooking facilities. Already set up—ample room. BOX 577, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

Patents Offered

INTERESTED in selling of patent rights, licensing or contacting persons desirous of promoting the exploitation of a new plastic cement (U. S. Pat. No. 2,095,614) suitable for caulking, waterproofing, etc. Reply P. O. Box No. 2, Station Y, Brooklyn, N. Y.

Positions Vacant

SALESMAN WANTED — Experienced in essential oils, for metropolitan New York district. BOX 590, Oil, Paint and Drug Reporter.

Positions Wanted

POSITION WANTED by an enamel, lacquer, and varnish formulator, tester and research worker. Eight years' exceptional experience. BOX 582, Oil, Paint and Drug Reporter.

Positions Wanted

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Trade News Briefs

Briggs-Maroney Company, Everett, Mass., paint and color manufacturer, at the annual meeting, elected George J. Beake president and Walter K. Maroney treasurer.

The Oil Trades Association of New York will hold its quarterly meeting January 25 in the roof garden of the Waldorf-Astoria Hotel. Dinner will be served promptly at 7 p.m. and will be followed by a vaudeville entertainment and social gathering.

Oriental Refining Company, recently organized and headed by Sidney H. Keoughan, former president of the Continental Oil Company, has purchased the J. D. Cook Oil Refinery, Denver. The plant will be enlarged to have a daily capacity of 1,500 barrels.

James S. Brady, Kenmore, N. Y., will be permitted to register the term, "Solvoline," as a trademark for a non-explosive dry-cleaning fluid, notwithstanding the prior registration by C. E. Langfield, Northville, Mich., of the term, "Solvite," as a trademark for a dry-cleaning soap.

Gus Doll, who recently resigned as president of the Corcoran-Brown Lamp Company, will assume the presidency of the Valvoline Oil Company, Cincinnati, January 1. He wll succeed Howard Edwards, who has been elected to a newly created position of vice-chairman. E. W. Edwards continues as chairman of the board.

Grove Laboratories, Inc., St. Louis, has added J. R. DeSaxe, vice-president, and James H. Grove, grandson of the founder, to the board of directors. Stockholders voted December 9 to increase the directorate by two members.

William R. Warner & Co., drug manufacturer, this city, has contributed $10,000 to the United Hospital Fund.

Standard Oil Company's tanker Esso Houston was launched at the yards of the Federal Shipbuilding & Drydock Company, on the Hackensack River, December 18. The ship, 445 feet long, was the third of four tankers to be built for the New Jersey company at a total cost of $16,000,000.

Tanker Gulfdisc, built at the Sparrow Point yards of the Bethlehem Shipbuilding Corporation, Baltimore, for the Gulf Oil Corporation, was launched December 1 and christened by Miss Margaret E. Nelson, of Pittsburgh. The vessel is the fourth to be sent off the ways within a year.

Standard Oil Company of Louisiana's 13,000-ton tanker Baton Rouge, built at the plant of the Bethlehem Ship Building Corporation, Sparrow's Point, Md., was launched November 13. It was christened by Miss Mayme A. Hannaman, the first woman ever employed by the Standard Oil Company's refinery in Baton Rouge. She was assisted by Mrs. J. L. Frier, wife of an official of the Standard Oil Company of Louisiana.

Whaling Company Builds New Fleet in Japan

A new whaling company which has been organized as a subsidiary of the Sumatra Colonization Company and which will be known as the Polar Seas Whaling Company has just been formed in Japan, according to a report to the Department of Commerce. The new subsidiary company which is capitalized at approximately $5,800,000 will acquire controlling interest in the Ayukawa Whaling Company.

The new company is at present in the process of building one 22,000-ton factory ship with an oil producing capacity of 400 tons per day, and nine catcher boats. The vessels will probably be ready for use in the Antarctic next season, according to the report.

Obrig Quits Socony-Vacuum

Herbert A. Obrig has retired as manager of the gas oil department of the Socony-Vacuum Oil Company. Mr. Obrig, who is retiring under the company's pension plan, has been manager of that department since 1930. He was given a testimonial dinner by his associates on December 10, at which time he was presented with the company's service emblem. Mr. Obrig has been affiliated with the Socony-Vacuum company since 1895, entering its employ as an office boy. In 1903 he was put in charge of the domestic business for the East River refineries, and later in that year entered the naphtha department, the name of which was subsequently changed to the gas oil department. B. L. Boye, manager of fuel and road oil sales, will succeed Mr. Obrig.

Petroleum Coke Freights Cut

The New York Public Service Commission has approved new commodity freight rates as follows:—

Of the Erie railroad, on petroleum coke, in packages or in bulk, carload; from East Buffalo, Buffalo stations, and Black Rock, to Niagara Falls and Suspension bridge, 6 cents per hundredweight. Effective October 25; expires December 31, after which the present rate of 7 cents per hundredweight will apply.

Of the Lehigh Valley railroad, on petroleum coke, in packages or in bulk, carload; from East Buffalo and Buffalo stations to Niagara Falls and Suspension bridge, 6 cents per hundredweight. Effective October 25; expires December 31, after which the present rate of 7 cents per hundredweight will apply.

Of the New York Central (East) railroad, on petroleum coke, in packages or in bulk, carload; from Buffalo stations to Niagara Falls and Suspension bridge, 6 cents per hundredweight. Effective October 25; expires December 31, after which the present rate of 7 cents per hundredweight will apply.

Chicago Oil Group Elects

At its 1937 annual meeting the Burning Oil Distributors Association of Chicago re-elected the following officers:—President, Frank E. Spencer, of the Spencer Petroleum Company; vice-president, J. Loeffler, of the Commerce Petroleum Company; treasurer, R. E. Curran, of the Suburban Oil Company; other members of board of directors, C. S. Rosenthal, of the Apex Motor Fuel Company, and O. L. Peterson, of the George C. Peterson Company, F. E. Caldwell was reappointed secretary.

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Box 588, Oil, Paint and Drug Reporter

Shell Oil Opens Sales School

The Shell Union Oil Corporation has inaugurated a sixteen-day educational course for its entire sales personnel. The course, which opened recently at Garden City, Long Island, is designed to teach the fundamentals of manufacture and the application of Shell products, as well as touching on the latest developments and methods in the petroleum industry. The course is under the direction of Dr. G. P. Koch, who has conducted educational courses for the Shell company during the past eight years in other sections of the United States. In attendance at the first session are fifty men from the metropolitan New York and Ned Jersey divisions. Another session of the course will be held at Garden City early in 1938 and then similar courses will be held in the vicinity of Boston, Albany and Baltimore.

James A. Moffett, president of the California Texas Oil Company, sailed December 26 for Europe to begin a four-months' inspection trip of oil properties in Persia, India and other Asiatic countries.

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